Traver Community

Sewer Collection and Wastewater

Treatment Evaluation

Supplement to Study Prepared in June 2005

FINAL DRAFT



June 2014

Provost & Pritchard Consulting Group



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I. INTRODUCTION

Provost & Pritchard prepared a report in June 2005 titled "Traver Redevelopment Project Sewer Collection and Wastewater Treatment Study (Original Study). Provost & Pritchard Consulting Group was retained by the Tulare County Redevelopment Agency (TCRA) to prepare an updated Sewer Collection and Wastewater Treatment Study for the Traver Redevelopment Project Area. The purpose of this study was to:

- 1. Review the impacts of three (3) scenarios prepared by the County of Tulare. The three (3) scenarios of anticipated growth in Traver are described as follows:
 - Scenario 1 (refer to Exhibit 1) includes serving all entities that the County has current commitments to serve. The current commitments are shown in Exhibit 2 – Anticipated Sewer Connections.
 - Scenario 2 (refer to Exhibit 3) includes Scenario 2, serving phase 1
 of a new residential development between Jacobs Drive and
 Avenue 368, north of the Zone of Benefit (ZOB), and assumed to
 include 100 additional residential sewer connections. This scenario
 includes development of the area between the railroad tracks and
 State Route 99, south of Merritt Ave.
 - Scenario 3 (refer to Exhibit 4) includes Scenario 2 and the remainder of the proposed residential development (assumed to include an additional 100 residential sewer connections), and development of the area between the railroad tracks and State Route 99.
- 2. Analyze existing wastewater flow, predict quantity and physical origin of future flows, and provide a preliminary sewer collection system design.
- 3. Analyze existing wastewater treatment plant capacity, estimate future needs, provide design alternatives, and provide a recommendation for expansion to accommodate the scenarios..
- 4. Provide opinions of probable construction cost for design alternatives.

II. PLANNING AREA

A. Location

The community of Traver is situated in the heart of California's Southern San Joaquin Valley, approximately 12 miles northwest of Visalia in Tulare County (Exhibit 5).

Refer to the Original Study.

B. Environmental Resources

1. Soils

Refer to the Original Study.

2. Groundwater

Groundwater in the Traver area typically travels in a northwesterly direction (Exhibit 6). Typical elevation of the groundwater is 215.

3. 100/500 Year Flood Plains

Refer to the Original Study (see Exhibit 7).

4. Land Use

Updated land use information in the Traver area is presented in Exhibit 8.

5. Water Supply

Refer to the Original Study.

6. Climate and Winds

Refer to the Original Study.

7. Cultural and Historic Resources

Refer to the Original Study.

C. Growth Areas and Population Trends

1. Population trends

Recent interest from developers and county-wide housing starts indicate that a conservative estimate of growth increase for Traver would follow the county-wide trend. The population in 2010 was 713 residents, which is a decrease of population since 2000; application of the 1.7% growth rate extends as shown in the following table:

YEAR	POPULATION					
2010	7131					
2015	776					
2020	844					
2030	999					

Property zoned R-1 north of Jacobs and west of Canal is proposed for 12 lots of single-family residential development. The Original Study included an opinion of the capacity of the sewer collection system and wastewater treatment facilities to accept the twelve (12) additional single-family residential units. A copy of the Tentative Subdivision Map for the 12 lots is included as Appendix A. This subdivision is incorporated into the evaluation of Scenario 1.

Additional housing within the existing Traver Redevelopment Project boundary is limited to very few vacant lots as in-fill. However, a portion of the Study Area, currently zoned RA, is proposed for residential development. If that area is developed to at least 200 single family residential lots, the population increase could be 800 persons, which exceeds the table above.

2. Commercial growth

Commercial growth may also contribute to wastewater flows in the Traver area. Areas of commercial and industrial growth for this evaluation are identified in Exhibits 3 and 4.

III. EXISTING COLLECTION SYSTEM AND FLOWS

A. Existing Sewer Trunk lines

The existing parcels and sewer mains are shown in Exhibit 9. The existing and proposed sewer system serving Traver is depicted in Exhibit 10. The sewer system includes 6" and 8" mains. Pursuant to the County of Tulare, the collection system serves 198 legal connections: 175 single-family residents, 13 standby, 4 churches, 1 preschool, 1 elementary school, 1 laundry mat, and 2 grocery/convenience stores.

B. Volume of Waste Discharge

The average daily flow (ADF) for 2013 was approximately 51,146 gallons per day (gpd). The system is permitted for 88,000 gpd. Exhibits 11a – 11d are estimates of the flowrates within each portion of the sewer system. It is noted that several portions of the existing sewer system do not achieve typical desired velocitiy, however, the overall capacity of the sewer system is sufficient for present demands. Based on the total number of legal connections, the average flowrate per connection is approximately 301 gpd. Based on the population of 713, the average contribution per person is 72 gpd. For the purposes of this study, commercial property was assumed to contribute 1,000 gpd and industrial property was assumed to contribute 3,000 gpd. Exhibit 12 includes a review of the collection system with peak sewer flows. A peaking factor 3.0 is used.

The analysis suggests that the collection system is sufficient for daily peak flows. Unlike the circumstances of 2005, there are no significant variations of monthly flowrates received at the treatment plant. Average monthly flowrates between January 2013 and December 2013 ranged from 48,549 gpd to 61,204 gpd. A graph of flowrates received at the treatment plant is included as Exhibit 13.

IV. WASTEWATER TREATMENT FACILITY

A. Location

The location of the wastewater treatment plant (WWTP) is shown in Exhibit 10 and is situated on the east side of Road 44, approximately ¼ mile south of Avenue 368 (APN 045-010-26). The plant is located at approximate Latitude 119° 28' 30", Longitude 36° 27' 15".

B. History

The plant was constructed in 1992 and funded by the United States Environmental Protection Agency, the State Water Resources Control Board, and the United States Department of Agriculture. The facilities are regulated by Waste Discharge Requirements No. 88-098 and are permitted for 88,000 gallons per day (see Appendix G in the Original Study).

C. Wastewater Characteristics

Influent characteristics are assumed to be typical domestic wastewater with influent biochemical oxygen demand (BOD) and total suspended solids (TSS) of approximately 250 mg/l. Sampling of the influent is not a current requirement by the State. The assumed concentrations are conservative estimates for raw influent based on accepted textbook values and influent of similar communities in the Central Valley. Present effluent requirements are 1.0 mg/l D.O. within any holding pond and an effluent electroconductivity of 500 micromhos/cm greater than source water. Future effluent requirements are assumed to be 40 mg/l for BOD and TSS and 10 mg/l of Nitrate as Nitrogen. The disposal ponds will be required to be sufficient for a 100 year return period precipitation year.

The reported range of electroconductivity values ranged from 886 to 1,235 micromhos/cm. The regulatory requirements are 500 micromhos/cm above source water, or 1,000 micromhos/cm, whichever is less. The electroconductivity values are shown in Exhibit 14. The wide variation of electroconductivity values should be investigated and the cause should be determined. It is possible that the variation is due to chlorination of the source water.

D. Treatment Facilities

A description of the existing treatment facilities is included in the Original Study.

E. SCADA (Supervisory Control and Data Acquisition)

Refer to the Original Study.

V. NEED FOR THE EVALUATION

A. Growth

This report evaluates sewer infrastructure requirements for three scenarios:

- Scenario 1 (refer to Exhibit 1) includes serving all entities that the County has current commitments to serve. The current commitments are shown in Exhibit 2 – Anticipated Sewer Connections.
- Scenario 2 (refer to Exhibit 3) includes Scenario 2, serving phase 1
 of a new residential development between Jacobs Drive and
 Avenue 368, north of the Zone of Benefit (ZOB), and assumed to
 include 100 additional residential sewer connections. This scenario
 includes development of the area between the railroad tracks and
 State Route 99, south of Merritt Ave.
- Scenario 3 (refer to Exhibit 4) includes Scenario 2 and the remainder of the proposed residential development (assumed to include an additional 100 residential sewer connections), and development of the area between the railroad tracks and State Route 99.

In the Traver community there is a need to provide the treatment and disposal capacity to provide for capability to accept new businesses that will provide jobs for residents of the community. Traver is a State Route 99 corridor community that would be able to support general retail, industrial, distribution, and travel oriented businesses.

In addition, the County of Tulare requires updated information associated with the anticipated capital costs associated with anticipated sanitary sewer infrastructure necessary to serve the proposed growth. The information may be utilized to determine necessary connection fees that would be required of new development. Further, the information may be utilized in applications for funding assistance to assist with the construction of the improvements.

From a regulatory perspective, the County of Tulare is responsible to prepare an expansion plan for facilities that are anticipated to exceed the permitted capacity of the facilities. The expansion plan would be a component of a Report of Waste Discharge that would be submitted to the Regional Water Quality Control Board for review and approval. The RWQCB would determine updated Waste Discharge Requirements for the facilities.

B. Projected Future Flows

Sanitary sewer demands for Commercial property is estimated to be 1,000 gpd/gross acre. Sanitary sewer demands for Industrial property is estimated to be 3,000 gpd/gross acre.

As can be seen from the table, projected flows are anticipated to increase as follows:

Existing and Projected Flow									
Scenario	Residential	Commercial and	Cummulative						
		Industrial	Total						
	(gpd)	(gpd)	(gpd)						
Present			55,624						
Scenario 1	8,127		63,751						
Scenario 2	30,100	49,457	143,308						
Scenario 3	30,100	14,649	188,057						

VI. RECOMMENDED IMPROVEMENTS

A. Description

Sewer Collection System

The existing sewer mains and probable alignment of future sewer mains for the community of Traver are shown in Exhibit 10. The collection system phasing is anticipated to be separated into three areas of work.

<u>Initial Construction Requirements (Scenario 1)</u>

The first segment of work is to construct a sewer main in Jacobs and connect to the sewer main in Canal Street. This construction would be necessary to serve the Tentative Subdivision discussed earlier. It is recommended that the developer of the subdivision be the responsible party to design and construct the sewer main. The County would be responsible for review of the design and review of the construction.

It is noted that Scenario 1 includes service to an anticipated Medical building east of the school. It is recommended that the owner of the proposed Medical building be responsible to identify and obtain an easement from the proposed building to Merritt Drive so that in individual sewer service may be constructed by said developer to the sanitary sewer in Merritt Drive. The responsibility of the County would be that of review of the easement, design, and construction.

Second Construction Requirements (Scenario 2)

The second area of work is to construct a lift station in the vicinity of Merritt Drive and Burke Street. The lift station would receive wastewater from the proposed residential subdivision north of Jacobs between Burke and Canal Street. The lift station would also be sized to receive gravity flow from the commercial areas between Burke Drive and State Route 99. Refer to Exhibit 15 for a conceptual layout of the proposed lift station. It is noted that the County of Tulare would be required to acquire the property for the construction of the lift station. Since the lift station will be located within the 100 year flood zone, all pads of the lift station site shall have an elevation of approximately 12 inches above the centerline of Merritt Drive to minimize the potential of flood damage. The lift station will require more area than is available within existing rights of way. Exhibits 20 and 21 identify typical plan view and sections of the lift station, however, it is anticipated the lift station would be a Exhibits 20 and 21 also serve to describe the duplex station. potential new lift station at the wastewater treatment plant, which would be a triplex lift station. A new force main would be required within the Merritt Drive right of way, which would extend to Road 44 (refer to Exhibit 16). As shown in Exhibit 16, the force main alignment must take into consideration the existing gas, water, and sewer mains within the Merritt Drive right of way. The force main would discharge to a gravity sewer that would extend from Avenue 368 to the wastewater treatment facility. Exhibit 17 shows a conceptual layout of the new force main and gravity main at the intersection of Merritt Drive with Avenue 368. Utilization of a lift station and force main allows portions of the sewer system to be less deep and less costly for construction.

It is noted that the property identified as APN 040-020-075, which is included in the service area for Scenario 2, does not have direct access to the County right of way. As shown in Exhibit 18, the property only has a frontage to Caltrans right of way. Appendix B includes a Caltrans right of way map that provides additional information regarding the property. A public sewer is not typically allowed within Caltrans right of way. Therefore, the owner of APN 040-020-075 would be required to obtain an easement across APN 040-020-074 in order to obtain access to the sewer system.

The second phase of work would include construction of a sewer line in Merritt Drive from Burke to 6th, and then south within 6th Street to the limit of the County right of way. Similarly, the second phase of work would include construction of a gravity main within Burke from Merritt Drive north to the connection point of the proposed subdivision. The gravity lines would discharge to the lift station at Burke and Merritt.

Third Construction Requirements (Scenario 3)

The third phase of work would extend the gravity sewer line northerly along 6th Street to serve additional commercial properties. A new sewer line would also be extended south within Burke from Merritt Drive to south of Kitchner in order to serve commercial property.

2. Treatment Plant Expansion Phases

Scenario 1 Requirements

There are no treatment or disposal construction requirements in order to serve the properties identified in Scenario 1.

Scenario 2 Requirements

As noted in the discussion regarding the collection system, a lift station, force main in Merritt, and a new gravity main in Road 44 are required to serve the demands presented in Scenario 2. In addition, the new gravity main in Road 44 A conceptual layout of the wastewater treatment and disposal facility improvements necessary for Scenario 2 is shown in Exhibit 19. The work would require a new influent lift station, headworks, aeration basin, clarifiers, blower building, sludge handling facilities, and disposal pond improvements. The proposed facilities would be located south of the existing treatment ponds so that construction could be performed with minimal disturbance of the existing treatment facility operations. It is anticipated that the existing treatment facility and the initial phase of the proposed treatment facilities would operate concurrently for a period of time. Ultimately, the existing treatment basins would be drained, the accumulated sludge removed, and the treatment basins would be converted to disposal ponds.

The existing wastewater treatment facilities lift station does not have the potential to be modified to accommodate the future flowrates anticipated. A new lift station is proposed south of the existing facilities. Exhibits 20 and 21 identify typical plan view and sections of the lift station. A magnetic flowmeter would be installed in the discharge pipeline from the lift station. The new lift station would be constructed to a depth that would allow the existing 8 inch diameter sewer main to be extended south and discharge to the new lift station.

A new headworks would be required for the treatment facilities. Exhibits 22 and 23 identify typical plan view and sections of the recommended headworks. The headworks structure would be constructed to accommodate the flows anticipated through Scenario 3. The headworks would include a self cleaning screen to remove non-biodegradable materials prior to the aeration basin.

It is noted that there is a water supply well at the wastewater treatment site. The distribution pipeline from the water supply well would be extended to the new treatment facilities for the purposes of wash down and to provide the water necessary to operate the self cleaning screen at the headworks.

The existing treatment facilities will not meet anticipated regulatory requirements, especially with respect to total Nitrogen of the effluent. The study prepared in June 2005 recommended a Biolac system of treatment. A similar treatment process (Bioworks) is now in the marketplace, which will allow for competitive pricing of the facilities for construction. These patented, proprietary processes

use a pond similar to the existing aerated ponds, but install a series of diffusers suspended from floating tubes along the surface of the pond. The air is supplied by blowers constructed in a blower building near the pond. Because the air transfer capacity of this system is greater than that of surface aerators, this process can accommodate greater flows with lesser hydraulic detention times than aerated or facultative lagoons. The anticipated expansion increment for Scenario 2 would be an aeration basin that would accommodate approximately 120,000 gallons per day. Exhibit 24 shows the relative location of the Headworks and Aeration Basins. The second aeration basin and associated improvements would be constructed to accommodate Scenario 3.

The treatment system would include clarifiers for the removal of solids and discharge of effluent to the disposal ponds.

Sludge Disposal

It is understood that sludge has not been wasted from the treatment plant since its inception. Expansion of the facility will increase the mass of solids to be wasted from the facility. Alternatives that may be applied to sludge handling include sludge drying beds, mechanical thickening/dewatering devices, and bag thickeners. Due to the availability of land and the infrequent wasting of sludge; it is recommended that sludge drying beds be considered. Conceptual layouts of sludge drying beds are included as Exhibits 25, 26, and 27. In addition, compact dewatering presses may be considered, such as the press fabricated by FKC (refer to Appendix C).

Scenario 3 Requirements

Scenario 3 improvements at the wastewater treatment facilities would include construction of the second aeration basin and associated clarifiers and sludge disposal facilities. The location of said facilities is shown on Exhibits 24 and 25.

It is anticipated that the majority of the existing treatment facilities would be demolished prior to construction of the facilities required for Scenario 3. However, the existing water supply well and the generator building may serve a continuing purpose and would be retained.

Effluent Disposal

The existing facilities have disposed of treated effluent through percolation and evaporation from the disposal ponds. It is noted that a small portion of the existing disposal ponds are necessary to remove the effluent. A conservative estimate of the potential disposal capacity of the entire site, using a percolation capacity of 0.75 inches per day (one half of estimate) was determined in the Original Study as 171,600 gallons per day. It is likely that the actual sustainable disposal capacity of the site may be greater than this value. This disposal capacity compares favorably to the anticipated demands of the proposed residential development. Specific pond percolation testing is recommended to determine actual capacity. The current circumstances at the treatment facilities do not allow for sufficient effluent to be discharged to the disposal ponds to allow for such a test.

If actual percolation rates at the site and sanitary sewer demands of the anticipated development lead to the determination that additional property is required for ultimate buildout, the County would be required to either acquire additional property or enter into long term agreements for reclamation of effluent on nearby agricultural property.

As noted in the Original Study, the RWQCB encourages reclamation to agricultural lands wherever possible, in conformance with the Tulare Lake Basin Plan. Although this issue will need to be considered further during design and permitting of the plant expansion, identification of suitable cropland near the plant site (such as alfalfa), and preliminary contacts with the grower about the use of treated effluent on those crops, is recommended. Alfalfa is presently grown in properties south of Avenue 360 along Road 44.

If reclamation is required in the future, it is recommended that an agreement be negotiated with a nearby property owner of suitable crops, for disposal of conventional secondary effluent to the property. The County would not be required to obtain ownership of the disposal site for this purpose. The nature of treated effluent produced by the recommended facility will be as defined in Title 22 as undisinfected secondary effluent. Although this product has a more limited applicability than a disinfected tertiary effluent, it appears that numerous opportunities exist with nearby growers to apply the secondary effluent to cropland, without the added cost of tertiary facilities, and associated operations and monitoring. Selection of crops that do not fall within the human food chain, such as alfalfa or cotton (fiber and fodder) will provide the greatest flexibility when permitting for irrigation disposal.

B. Environmental Impacts

Construction of new sewers and treatment facilities will cause construction related impacts- noise, dust, and similar. New sewer and

treatment facility construction may be considered growth inducing, and that impact must be recognized.

Although no surveys of the project site have been performed by biologists, archeologists, or other trained professionals, it appears from a cursory inspection that no wetlands, endangered habitats, or cultural/historical sites would be disturbed by the proposed project.

C. Land Requirements

The total project would be built within existing rights of way, easements, and property now owned by the County, with the exception of one portion of the future sewer required to serve property west of State Route 99. The collection system lift station would require acquisition of property near Merritt and Burke.

D. Cost Estimates

Exhibit 28 includes a summary of budget capital costs for the project described, by phase. Note the following about the costs summary:

- Costs are estimated using present conditions; since it is not known when any portion of the project would be built, the costs must be adjusted to current conditions at that time.
- Property acquisition costs are not included, nor any costs for use of nearby agricultural property for effluent disposal.
- Although no extraordinary mitigation measures are expected for this project, CEQA review may reveal unknown requirements.
- Included in the estimate are contingencies at a total of 20% of cost. This item is intended to address unforeseen issues and topics that arise during design, permitting, and construction.

VII. OPERATIONS AND DEBT REPAYMENT

1. Debt Repayments

It is probable that any construction of recommended improvements will require the County to obtain funding from outside sources in the form of grants, loans, or some combination. Due to the low-income level of the community and the demonstrated need for economic development, it is likely that some level of grant funding will be obtained.

The United States Department of Agriculture, Rural Utilities Service, makes loan and grant packages available to qualifying communities. The loans and grants are provided to communities that would not otherwise be able to afford necessary improvements. The program serves "to reduce water and waste disposal costs to a

reasonable level for rural users" (USDA, RUS Program Information). The grants are available for up to 75% of project costs, however, recent funding limits and budget shortfalls have limited the loan/grant ratio to the inverse, that is, 75% loan and 25% grant. The level of grant participation is variable and is influenced by many factors including MHI, relative sewer charges, and other debt encumbrances.

2. Reserve

A capital reserve set-aside should be included in the annual costs of the facility when user charges are calculated. The set-aside will be needed in the future for many purposes, such as the following:

- Major repairs, not covered under warranty.
- Future changes in requirements, for example, regulatory.
- Eventual equipment replacement, at the end of service life.

It is recommended that the capital set-aside be established at one-tenth (1/10) of annual debt repayment requirement for the Scenario 2 construction, and increased to a similar percentage of Scenario 3 debt repayment when that portion of the improvements are funded and constructed.

3. Operator Requirements

The present facility is operated under a contract by an outside firm. Specific certification requirements for the proposed improvements are anticipated to require a Grade II Operator.

Primary changes would be the increased mechanical complexity (lift stations, self cleaning screen, blowers, automated valving) and sludge handling and disposal.

4. Monitoring and Laboratory Needs

Updated Waste Discharge Requirements will dictate monitoring and testing requirements.

B. Time Schedule

Actual construction of the improvements described herein will be determined by several factors outside the scope of this study:

- Ability to acquire the property necessary for the sanitary sewer lift station at Merritt and Burke.
- Ability to obtain funding assistance.
- Ability to determine appropriate connection fees and monthly sewer charges, and subsequently conduct a successful Prop 218 election, as required.

- Completion of appropriate environmental studies.
- Preparation of a Report of Waste Discharge and receipt of appropriate Waste Discharge Requirements.
- · Final design of capital improvements.

C. Construction Design Criteria

Design criteria for this project are based upon compliance with all Federal, State, and local regulations and in accordance with customary professional standards. The following design criteria and assumptions for this project have been made:

- 1. Environmental review and documentation will be made according to the California Environmental Quality Act. Depending on the funding source, the National Environmental Policy Act and funding agency requirements will also apply. The review will include determination of the impacts on the environment through a preliminary review including a review of categorical exemptions, and/or an initial study. Depending upon the results of the initial study, a negative declaration, a mitigated negative declaration or an Environmental Impact Report will be prepared for approval by the County of Tulare. The project design will incorporate appropriate mitigation measures as needed. In any event, the project will be designed to minimize any harm to the environment and maximize health and sanitation benefits to the community.
- 2. The project will comply with the Americans with Disabilities Act (ADA) and all other requirements for making the facilities accessible to handicapped persons.
- 3. The project will incorporate energy-efficient devices such as premium efficiency motors and solar power where practical.
- 4. Design will incorporate sustainable, green building standards where cost-efficient and practical.
- Treatment facilities and collection system components will be designed with sufficient capacity to accommodate reasonable population growth rates and anticipated commercial/industrial development.
- 6. The project will be designed to comply with all applicable and adopted Building Codes, environmental regulations, RWQCB requirements, seismic, and health and safety regulations.
- All construction materials shall meet current standards including, but not limited to, American National Standards Institute (ANSI), American Water Works Association (AWWA), Hydraulics Institute

(HI), American Society for Testing Materials (ASTM), National Electrical Manufacturer's Association (NEMA), International Standard Organization (ISO), American Society of Mechanical Engineers (ASME), and the National Sanitation Foundation (NSF).

VIII. SEWER CONNECTION FEES

A summary of sewer rates and connection fees in the general proximity of Traver is included in the table below:

System	Population (2000 or 2010 Census)	Sewer Rate	Sewer Connection Fee		
CSA #1	2253				
Delft Colony		\$49.00			
El Rancho		\$66.75			
Seville		\$59.75			
Tooleville		\$53.75			
Tonyville		\$60.00			
Traver	713	\$36.50	\$500		
Yettem		\$79.25			
Wells Tract		\$62.25			
Caruthers CSD	2103	\$35.00	\$5,700		
Cutler PUD	6300	\$33.00	\$2,075		
Earlimart PUD	5531	\$14.25	\$5,258		
East Orosi CSD	426	\$40.00	\$7,200		
Goshen CSD	2794	\$32.00	\$975		
Ivanhoe PUD	4474	\$39.85	\$1,890		
Lemon Cove SD	150	\$4.50	\$500		
Lindsay	11500	\$30.00	\$7,166		
London CSD	1638	\$25.00	\$1,990		
Malaga CWD	900	\$41.32	\$1,744		
Orosi PUD	7318	\$22.97	\$1,745		
Pixley PUD	3500	\$36.55	\$6,685		
Poplar CSD	2200	\$25.00	\$1,300		
Richgrove CSD	2700	\$18.00	\$750		
Riverdale PUD	2900	\$39.00	\$3,950		
Seville	400	\$59.75			
Springville PUD	1300	\$35.06	\$3,900		
Strathmore PUD	2352	\$14.70	\$500		
Sultana CSD	650	\$34.60			
Tipton CSD	1792	\$21.50	\$4,400		
Woodville PUD	1542	\$19.25	\$4,150		

In addition, summary information obtained from the SWRCB is included in Appendix D. The information indicates the general trends of sewer rates and connection fees within California since 1990. The information includes lowest, highest, and average charges, and is characterized by population, level of treatment, and County. The present sewer rates for Traver are near average for Tulare County, however, are low when compared to average rates for communities in California with a population of less than 1,000 persons. The connection fees for Traver are significantly low in comparison to other comparable communities.

Subjects to be considered for adjustment of connection fees would include the benefits of improvements to the existing population, the benefits of the improvements to new or future developments, and funding assistance obtained for the improvements.

Adjustments to the existing Zone of Benefit boundary would incorporate a method to quantify the pre-existing sanitary sewer collection, treatment, and disposal capacity that properties beyond the existing ZOB would benefit from. The properties within the ZOB have contributed toward the construction and maintenance of said existing infrastructure.

IX. CONCLUSIONS AND RECOMMENDATIONS

Construction of the Scenario 2 improvements will allow the community of Traver to alleviate the pending deficiency of collection and treatment capacity, allowing residential development to continue, and allowing some capacity for future industrial/commercial growth. The availability and timing of Scenario 3 improvements will be determined by the interest shown by larger industrial/commercial users.

Permitting of the expansion should occur only after a Capital Facilities Plan is adopted and the first phase of residential development has been submitted to the County for consideration. It is understood that the County has submitted preliminary applications for funding assistance toward construction of Scenario 1 infrastructure improvements. It is recommended that a public awareness campaign be initiated immediately so that the electorate can make informed decisions.

The expansion of the Traver Sewer Collection and Wastewater Treatment facilities is recommended to proceed with the following parameters:

- Ultimate capacity of 200,000 gpd.
- New left station near Merritt Drive and Burke Drive. New force main in Merritt Drive.
- New treatment plant lift station and headworks.
- New Biolac or BioWorks treatment facilities.
- Disposal of effluent within existing site to 170,000 gpd or the site capacity, if proven to be greater.
- Potential for reclamation beyond existing facilities when capacity exceeds site disposal capacity.

X. EXHIBITS and APPENDICES

EXHIBITS

- Scenario No. 1
- 2. Anticipated Sewer Connections
- 3. Scenario No. 2
- 4. Scenario No. 3
- 5. Traver Location Map
- 6. Study Area Groundwater Contours
- 7. Study Area Floodplains
- 8. Study Area Land Use
- 9. Existing Parcels with Existing Sewer System
- 10. Existing and Future Sewer System Map
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- 13. Treatment Facility Average Monthly Flowrates
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- 19. Conceptual WWTP Layout
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- 22. Headworks Plan View
- 23. Headworks Sections
- 24. Biolac System Layout
- 25. Sludge Bed Site Plan
- 26. Sludge Drying Bed Sections
- 27. Sludge Decant Structure
- 28. Preliminary Estimate of Overall Cost.

APPENDICES

- A Proposed Residential Layout North of Jacobs (Tentative Subdivision Map)
- B Caltrans Right of Way Map
- C FKC Screw Press information
- D SWRCB Sewer Charge Summary



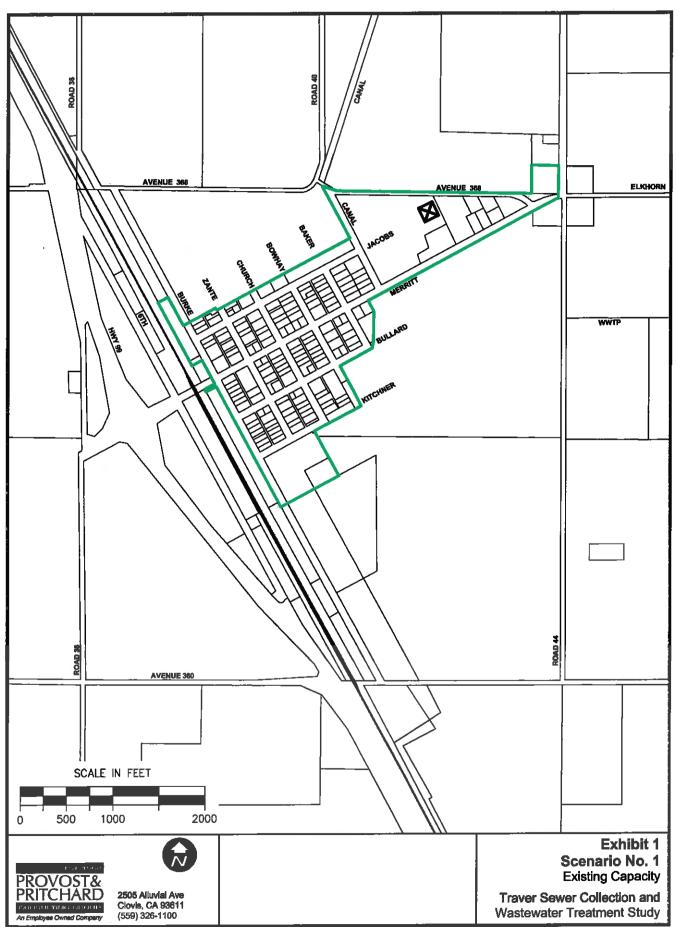
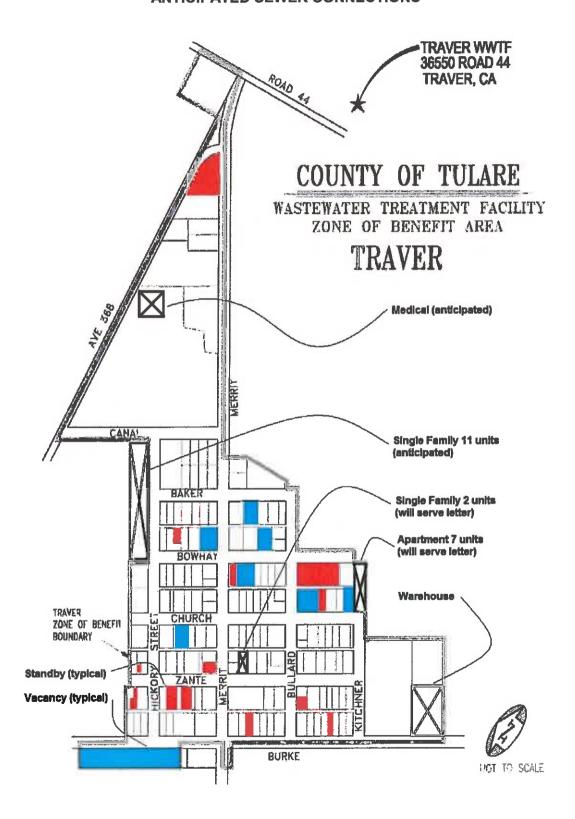
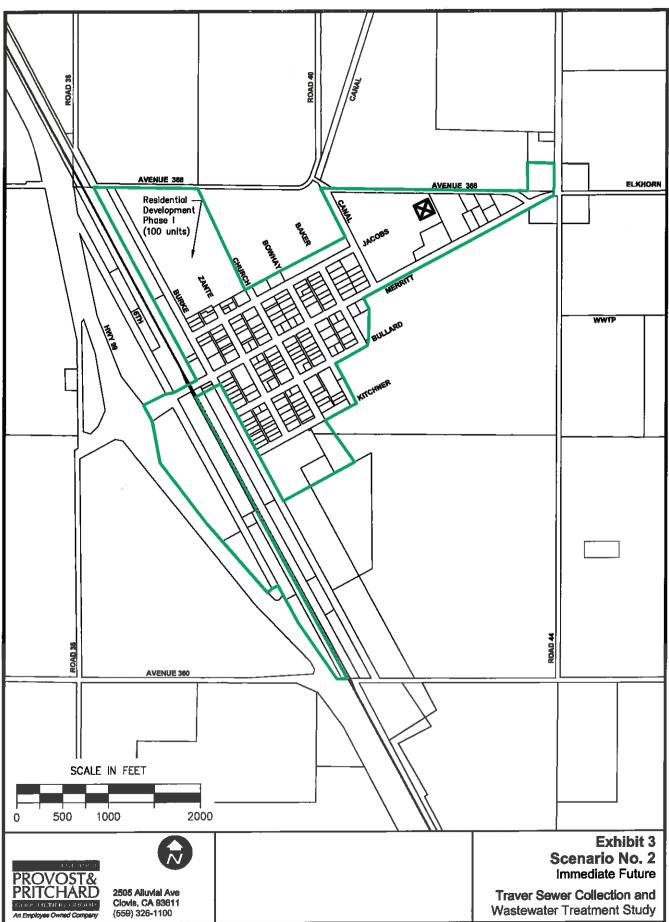
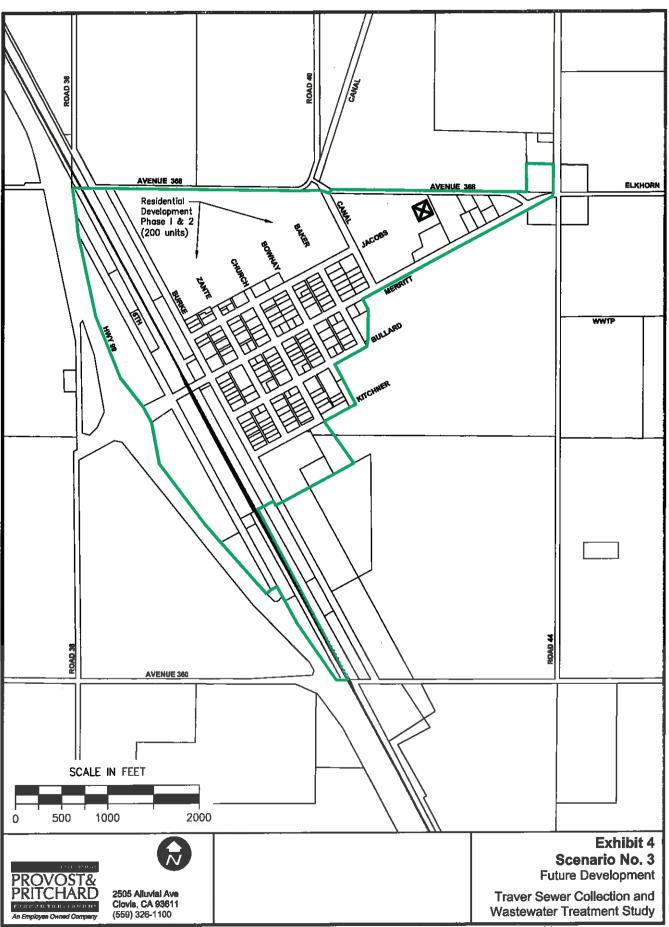


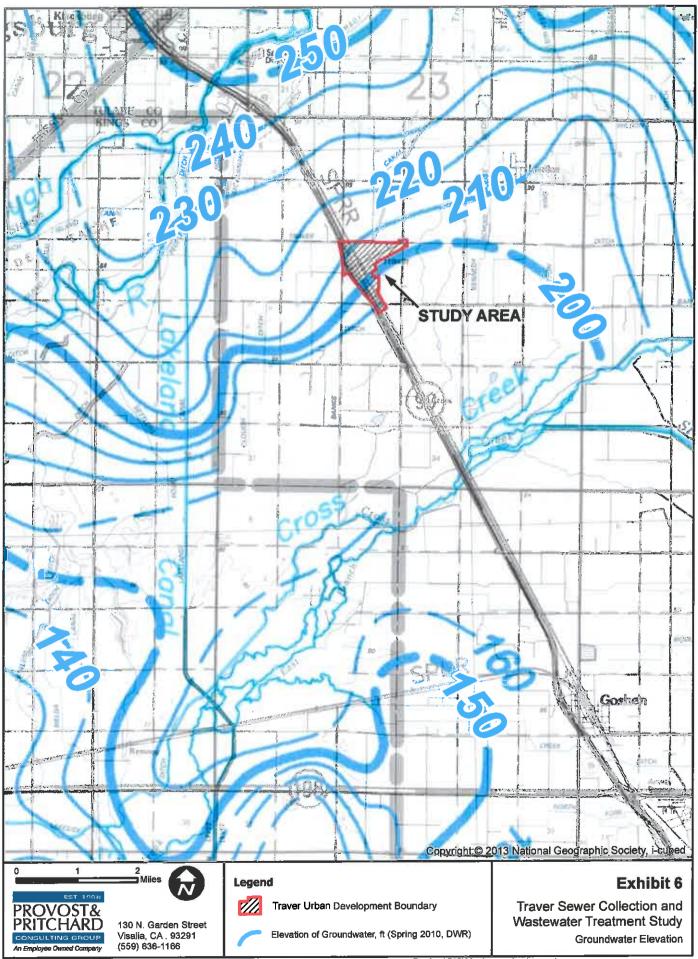
EXHIBIT 2 ANTICIPATED SEWER CONNECTIONS

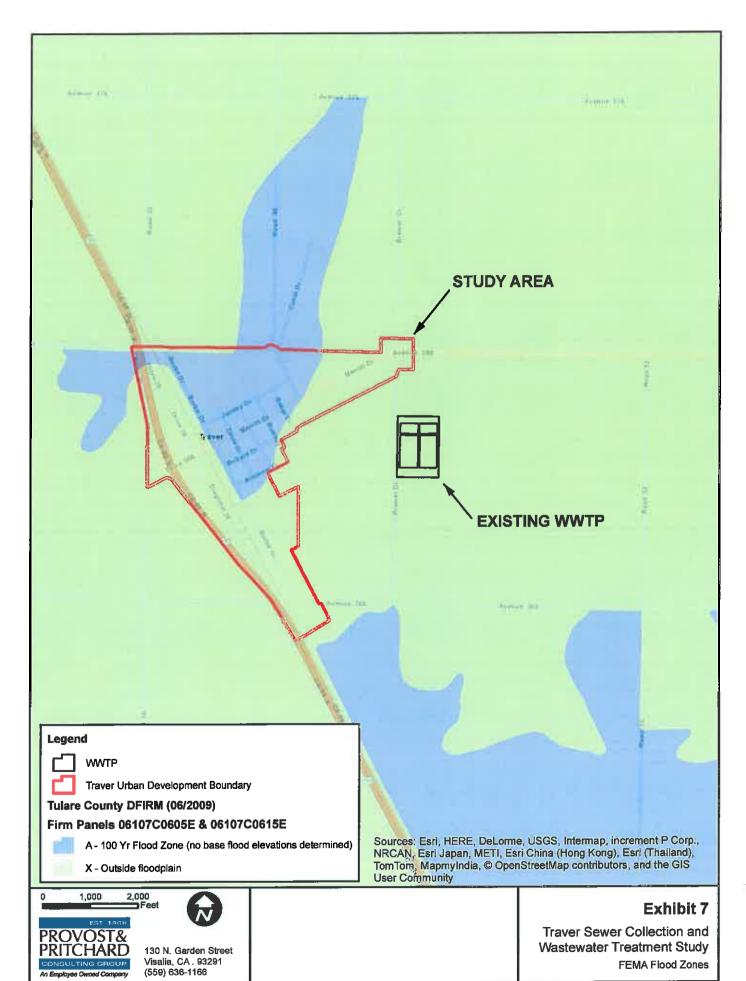




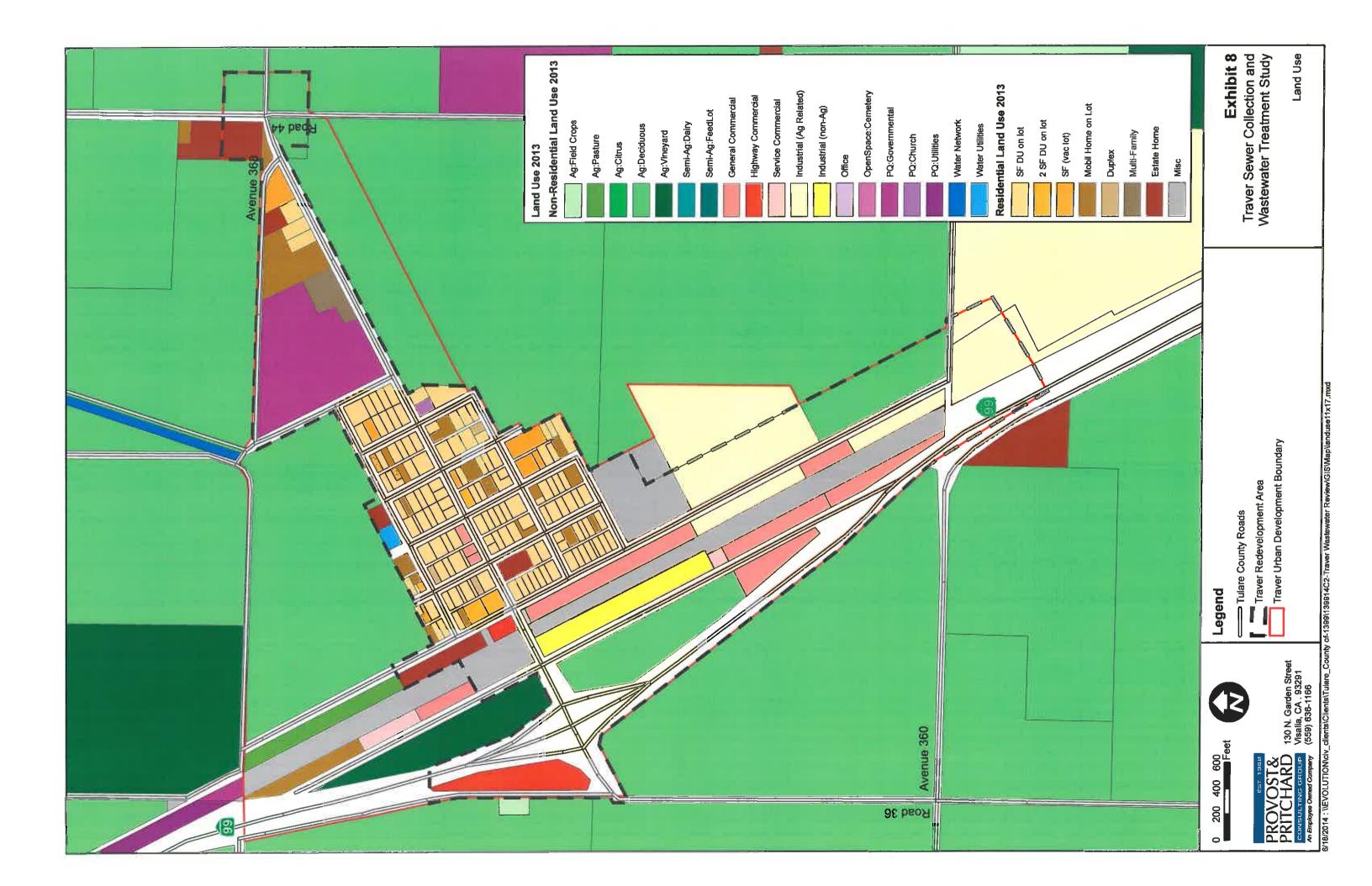


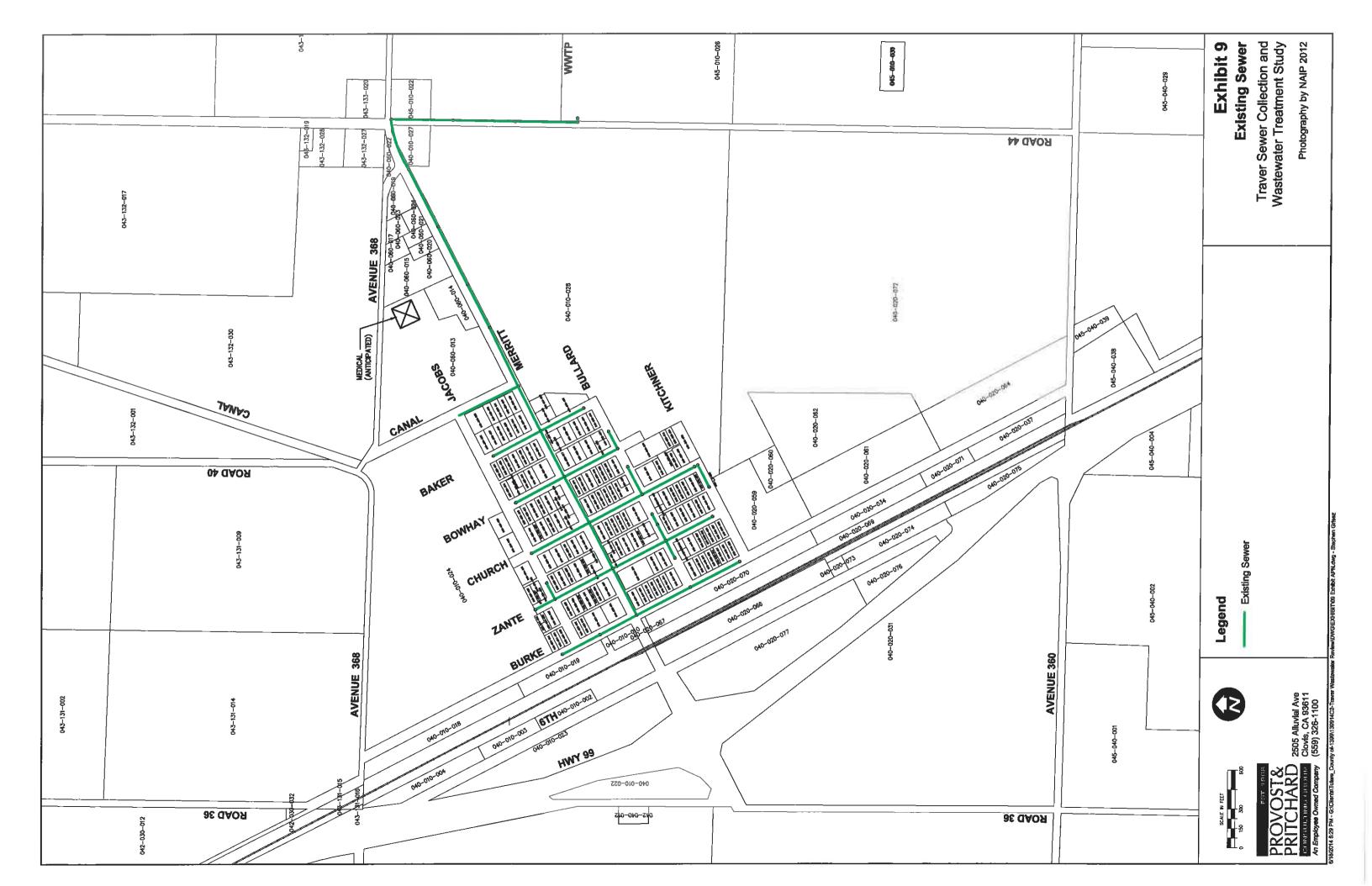


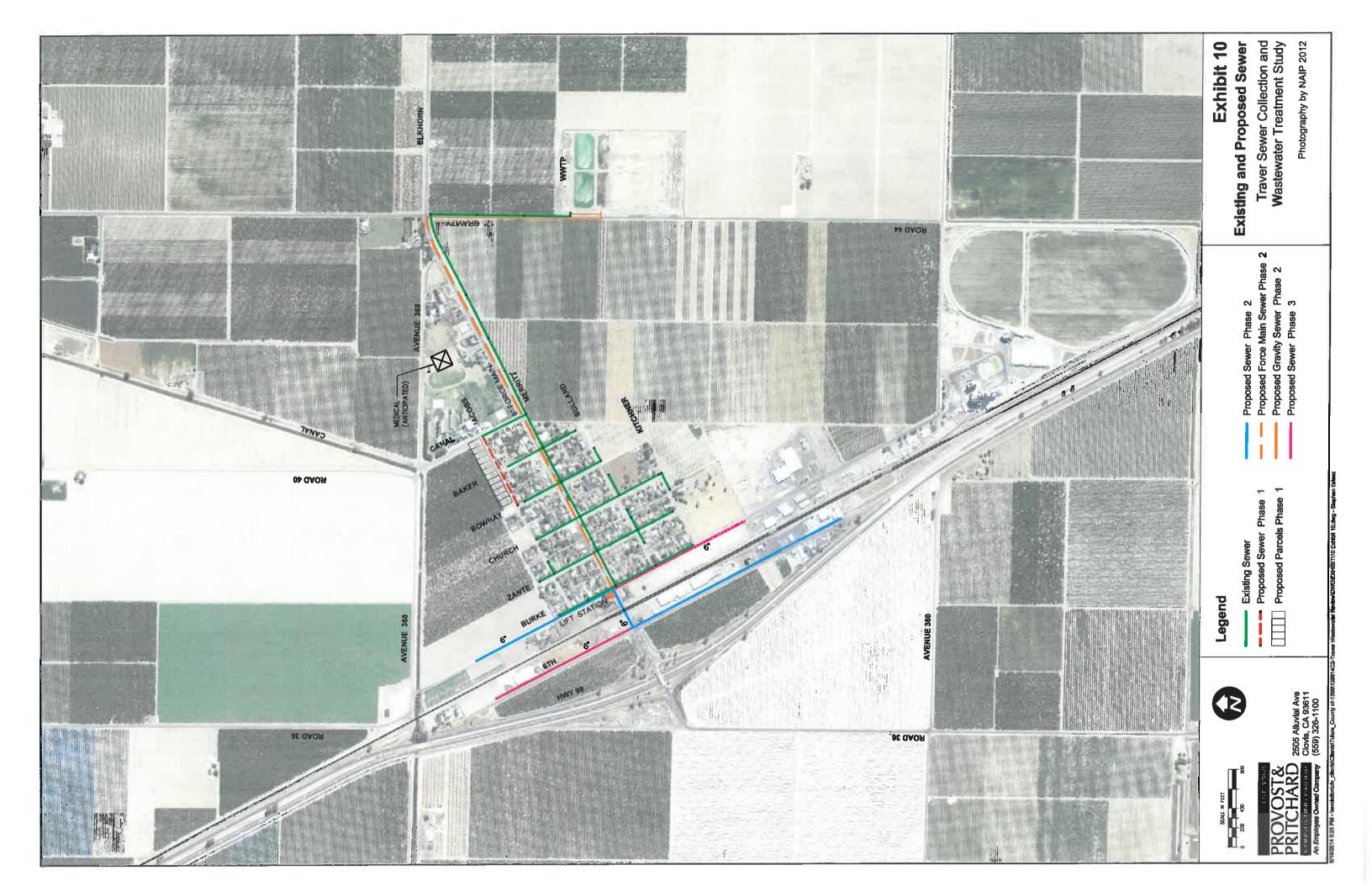




6/18/2014: \IEVOLUTION\clv_clients\Clients\Tulare_County of-1399\139914C2-Traver Wastewater Review\GIS\Map\flood.mxd







TULARE COUNTY REDEVELOPMENT AGENCY TRAVER REDEVELOPMENT PROJECT AREA

Sewer Collection and Wastewater Treatment Study
Existing AVERAGE DAILY FLOW

Notes	Field ID	Nominal Size	Length	Slope	Connections	EDU	ADF	ADF	Velocity	d/D	
		(in)	(ft)	(ft/ft)			(gpd)	(cfs)	(fps)	(in/in)	
Burk (Kit-Buli)	39	6	428	0.0040	8	8	2,408	0.00373	0.69	0.07	
Burk (Bull-Merr)	38	6	460	0.0040	8	7	4,568	0.00707	0.82	0.09	Post Office?
Burk (Jacob)	36	6	325	0.0050	6	6	1,806	0.00279	0.72	0.06	
Burk (Merr)	37	6	320	0.0059	6	6	3,612	0.00559	0.78	0.06	
Trunk (Burk -Zante)	15	8	400	0.0028	0	0	8,180	0.01266	0.81	0.09	
Zante (Kit -Bull)	35	6	400	0.0050	12	12	3,612	0.00559	0.87	0.09	
Bull (Zante)	21	6	150	0.0147	2	2	602	0.00093	0.53	0.05	
Bull (Zante)	19&20	6	230	0.0086	3	3	903	0.00140	0.58	0.02	
Zante (Bull -Merr)	34	6	460	0.0040	7	7	7,224	0.01118	1.00	0.13	
Zante (Jacob)	32	6	172	0.0050	4	4	1,204	0.00186	0.68	0.06	
Jacob (Zante)	31	6	140	0.0111	2	2	602	0.00093	0.63	0.03	
Zante (Jacob -Merr)	33	6	500	0.0078	10	10	4,816	0.00745	0.89	0.11	
Trunk (Zante-Church)	14	8	400	0.0028	4	2.3	20,905	0.03234	1.13	0.15	Trunk + (1 mkt.)
Kitchner (church)	1	6	190	0.0010	2	5	1,416	0.00219	0.39	0.09	EDU?
Church (Kit - Bull)	29&30	6	781	0.0050	10	10	4,426	0.00685	0.87	0.09	
Bullard (Church)	17&18	6	240	0.0146	2	2	602	0.00093	0.79	0.03	
Church (Bull - Merr)	28	6	460	0.0046	12	12	8,640	0.01337	1.13	0.14	
Church (Jacob - Merr)	27	6	500	0.0116	10	9.5	2,872	0.00444	1.18	0.07	(1 store)
Trunk (Church-Bow)	13	8	400	0.0028	4	4	33,621	0.05202	1.32	0.20	
Bullard (Bowhay)	16	6	150	0.0100	1	1	301	0.00047	0.29	0.05	
Bowhay (Buil - Merr)	26	6	460	0.0091	10	10	3,311	0.00512	1.07	0.07	
Bowhey (Jac-Merr)	25	6	424	0.0100	10	10	3,010	0.00466	1.36	0.07	
Trunk (Bow-Bak)	12	8	400	0.0028	1	1	39,942	0.06180	1.40	0.22	
Baker (Bull-Merr)	24	6	372	0.0211	5	5	1,505	0.00233	1.23	0.05	
Baker (Jac-Meπ)	23	6	412	0.0206	10	10	3,010	0.00466	1.38	0.06	
Trunk (Bak -Can)	11	8	385	0.0028	3	3	45,361	0.07018	1.45	0.23	
Canal (Jac-Merr)	22	6	500	0.0120	6	23	6,993	0.01082	1.43	0.09	(1 school)
Trunk (Canal -UP)	10	8	500	0.0028	0	0	52,353	0.08100	1.51	0.25	
Trunk	9	8	371	0.0028	3	5	53,818	0.08327	1.52	0.25	Trunk + (9 unit apt.)
Trunk	8	8	500	0.0028	3	3	54,721	0.08467	1.53	0.25	
Trunk	7	8	500	0.0028	2	2	55,323	0.08560	1.53	0.25	
Trunk (Rd 44)	6	8	450	0.0028	1	1	55,624	0.08606	1.54	0.26	
Trunk	5	8	476	0.0028	0	0	55,624	0.08606	1.54	0.26	
Trunk	4	8	476	0.0028	0	0	55,624	0.08606	1.54	0.26	
Trunk	3	8	477	0.0028	0	0	55,624	0.08606	1.54	0.26	
Trunk	2	8	30	0.0028	0	0	55,624	0.08606	1.54	0.26	
TOTAL	-	_		_	181	200	55,624				

ADF 55,624 gpd
ADF/EDU 301 gpd/EDU
ADF in max. month 331 gpd/EDU

EXHBIT 11a

Traver Sewer Collection and Wastewater Treatment Study



TULARE COUNTY REDEVELOPMENT AGENCY

TRAVER REDEVELOPMENT PROJECT AREA

Sewer Collection and Wastewater Treatment Study
Scenario 1 AVERAGE DAILY FLOW

Notes	Field ID	Nominal Size	Length	Slope	Connections	EDU	ADF	ADF	Velocity	d/D	ADF
		(in)	(ft)	(ft/ft)			(gpd)	(cfs)	(fps)	(in/in)	(gpm)
Burk (Kit-Bull)	39	6	428	0.0040	8	8	2,408	0.00373	0.55	0.06	1.67
Burk (Bull-Merr)	38	6	460	0.0040	8	7	4,568	0.00707	0.67	0.09	3.17 Post Office?
Burk (Jacob)	36	6	325	0.0050	6	6	1,806	0.00279	0.54	0.05	1.25
Burk (Merr)	37	6	320	0.0059	6	6	3,612	0.00559	0.71	0.07	2.51
Trunk (Burk -Zante)	15	8	400	0.0028	0	0	8,180	0.01266	0.67	0.09	5.68
Zante (Kit -Bull)	35	6	400	0.0050	12	12	3,612	0.00559	0.67	0.07	2.51
Bull (Zante)	21	6	150	0.0147	2	2	602	0.00093	0.57	0.02	0.42
Bull (Zante)	19&20	6	230	0.0086	3	3	903	0.00140	0.53	0.03	0.63
Zante (Bull -Merr)	34	6	460	0.0040	7	7	7,224	0.01118	0.77	0.11	5.02
Zante (Jacob)	32	6	172	0.0050	4	4	1,204	0.00186	0.48	0.04	0.84
Jacob (Zante)	31	6	140	0.0111	2	2	602	0.00093	0.51	0.03	0.42
Zante (Jacob -Merr)	33	6	500	0.0078	10	10	4,816	0.00745	0.85	0.08	3.34
Trunk (Zante-Church)	14	8	400	0.0028	4	2.3	20,905	0.03234	0.89	0.14	14.52 Trunk + (1 mkt.)
Kitchner (church)	1	6	190	0.0010	2	5	1,416	0.00219	0.29	0.07	0.98 EDU
Church (Kit - Bull)	29&30	6	781	0.0050	10	10	4,426	0.00685	0.71	0.08	3.07
Bullard (Church)	17&18	6	240	0.0146	2	2	602	0.00093	0.56	0.02	0.42
Church (Bull - Merr)	28	6	460	0.0046	12	12	8,640	0.01337	0.85	0.11	6.00
Church (Jacob - Merr)	27	6	500	0.0116	10	9.5	2,872	0.00444	0.84	0.05	1.99 (1 store)
Trunk (Church-Bow)	13	8	400	0.0028	4	4	33,621	0.05202	1.03	0.17	23.35
Bullard (Bowhay)	16	6	150	0.0100	1	1	301	0.00047	0.40	0.02	0.21
Bowhay (Bull - Merr)	26	6	460	0.0091	10	10	3,311	0.00512	0.80	0.06	2.30
Bowhey (Jac-Merr)	25	6	424	0.0100	10	10	3,010	0.00466	0.81	0.06	2.09
Trunk (Bow-Bak)	12	8	400	0.0028	1	1	39,942	0.06180	1.08	0.19	27.74
Baker (Bull-Merr)	24	6	372	0.0211	5	5	1,505	0.00233	0.85	0.03	1.05
Baker (Jac-Merr)	23	6	412	0.0206	10	10	3,010	0.00466	1.04	0.05	2.09
Trunk (Bak -Can)	1 1	8	385	0.0028	3	3	45,360	0.07018	1.12	0.20	31.50
JACOBS (CANAL 1)	P11	6	398	0.0000	5	5	1,505	0.00233	0.55	0.05	1.05
JACOBS (CANAL 2)	P12	6	398	0.0120	6	6	3,311	0.00512	0.70	0.07	2.30
Canal (Jac-Merr)	22	6	500	0.0120	6	23	10,304	0.01594	1.25	0.10	7.16 (1 school)
Trunk (Canal -UP)	10	8	500	0.0028	0	0	60,480	0.09358	1.22	0.23	42.00
Trunk	9	8	371	0.0028	3	5	61,945	0.09584	1.23	0.23	43.02 Trunk + (9 unit apt.)
Trunk	8	8	500	0.0028	3	3	62,848	0.09724	1.24	0.23	43.64
Trunk	7	8	500	0.0028	2	2	63,450	0.09817	1.24	0.23	44.06
Trunk (Rd 44)	6	8	450	0.0028	1	1	63,751	0.09864	1.24	0.24	44.27
Trunk	5	8	476	0.0028	0	0	63,751	0.09864	1.24	0.24	44.27
Trunk	4	8	476	0.0028	0	0	63,751	0.09864	1.24	0.24	44.27
Trunk	3	8	477	0.0028	0	0	63,751	0.09864	1.24	0.24	44.27
Trunk	2	8	30	0.0028	Ō	0	63,751	0.09864	1.24	0.24	44.27
TOTAL	_	_			192	211	63,751				

ADF 63,751 gpd
ADF/EDU 301 gpd/EDU
ADF in max. month 331 gpd/EDU

EXHBIT 11b

Traver Sewer Collection and Wastewater Treatment Study



TULARE COUNTY REDEVELOPMENT AGENCY

TRAVER REDEVELOPMENT PROJECT AREA

Sewer Collection and Wastewater Treatment Study
Scenario 2 AVERAGE DAILY FLOW

Notes	Field ID	Nominal Size	Length	Slope	Connections	EDU	ADF	ADF	Velocity	d/D	ADF
		(in)	(ft)	(ft/ft)			(gpd)	(cfs)	(fps)	(in/in)	(gpm)
Burke (100 Units)	P21	6	1580	0.0105	2	100	30,100	0.04657	1.65	0.17	20.90
6TH	P22	6	2400	0.0097	6	164	49,457	0.07652	2.41	0.36	34.34
Merrit	P23	6	207	0.0097	0	0	49,457	0.07652	2.38	0.35	34.34
Force Main	P24	8	4240	0.0105	0	0	79,557	0.12309	2.63	0.39	55.25
Gravity Road 44	P25	12	1500	0.0105	0	0	79,557	0.12309	2.45	0.15	55.25
TOTAL					8	264	79,557				

ADF 79,557 gpd
ADF/EDU 301 gpd/EDU
ADF in max. month 338 gpd/EDU

EXHBIT 11c

Traver Sewer Collection and Wastewater Treatment Study



TULARE COUNTY REDEVELOPMENT AGENCY TRAVER REDEVELOPMENT PROJECT AREA

Sewer Collection and Wastewater Treatment Study
Scenario 3 AVERAGE DAILY FLOW

Notes	Field ID	Nominal Size	Length	Slope	Connections	EDU	ADF	ADF	Velocity	d/D	ADF
		(in)	(ft)	(ft/ft)			(gpd)	(cfs)	(fps)	(in/in)	(gpm)
Burke (100 Units)	P21	6	1580	0.01049	2	100	30,100	0.04657	2.02	0.24	20.90
6th North	P31	6	1500	0.00968	4	49	14,649	0.02267	1.70	0.19	10.17
Merrit	P23	6	207	0.00968	0	0	14,649	0.02267	2.66	0.40	10.17
Force Main	P24	8	4240	0.01049	0	0	44,749	0.06924	2.89	0.48	31.08
Gravity Road 44	P25	12	1500	0.01049	0	0	44,749	0.06924	2.73	0.18	31.08
TOTAL					6	149	44,749				

ADF 44,749 gpd
ADF/EDU 301 gpd/EDU
ADF in max. month 338 gpd/EDU

EXHBIT 11d

Traver Sewer Collection and Wastewater Treatment Study



TULARE COUNTY REDEVELOPMENT AGENCY TRAVER REDEVELOPMENT PROJECT AREA

Sewer Collection and Wastewater Treatment Study **Existing PEAK FLOW**

Notes	Field ID	Nominal Size	Length	Slope	Connections	EDU	PF	PF	Velocity	d/D	PF
		(in)	(ft)	(ft/ft)			(gpd)	(cfs)	(fps)	(in/in)	(gpm)
Burk (Kit-Bull)	39	6	428	0.0040	8	8	6,459	0.00999	0.76	0.11	4.49
Burk (Bull-Merr)	38	6	460	0.0040	8	7	12,253	0.01896	0.92	0.15	8.51 Post Office?
Burk (Jacob)	36	6	325	0.0050	6	6	4,844	0.00750	0.75	0.09	3.36
Burk (Merr)	37	6	320	0.0059	6	6	9,689	0.01499	0.98	0.12	6.73
Trunk (Burk -Zante)	15	8	400	0.0028	0	0	21,942	0.03395	0.93	0.15	15.24
Zante (Kit -Bull)	35	6	400	0.0050	12	12	9,689	0.01499	0.93	0.12	6.73
Bull (Zante)	21	6	150	0.0147	2	2	1,615	0.00250	0.78	0.04	1.12
Bull (Zante)	19&20	6	230	0.0086	3	3	2,422	0.00375	0.74	0.06	1.68
Zante (Bull -Merr)	34	6	460	0.0040	7	7	19,378	0.02998	1.05	0.18	13.46
Zante (Jacob)	32	6	172	0.0050	4	4	3,230	0.00500	0.67	0.07	2.24
Jacob (Zante)	31	6	140	0.0111	2	2	1,615	0.00250	0.71	0.04	1.12
Zante (Jacob -Merr)	33	6	500	0.0078	10	10	12,919	0.01999	1.18	0.13	8.97
Trunk (Zante-Church)	14	8	400	0.0028	4	2.3	56,072	0.08676	1.23	0.23	38.94
Kitchner (church)	1	6	190	0.0010	2	5	3,797	0.00587	0.40	0.12	2.64
Church (Kit - Bull)	29&30	6	781	0.0050	10	10	11,871	0.01837	0.98	0.14	8.24
Bullard (Church)	17&18	6	240	0.0146	2	2	1,615	0.00250	0.78	0.04	1.12
Church (Bull - Merr)	28	6	460	0.0046	12	12	23,175	0.03586	1.17	0.19	16.09
Church (Jacob - Merr)	27	6	500	0.0116	10	9.5	7,703	0.01192	1.16	0.09	5.35
Trunk (Church-Bow)	13	8	400	0.0028	4	4	90,180	0.13953	1.41	0.29	62.62
Bullard (Bowhay)	16	6	150	0.0100	1	1	807	0.00125	0.55	0.03	0.56
Bowhay (Bull - Merr)	26	6	460	0.0091	10	10	8,882	0.01374	1.11	0.10	6.17
Bowhey (Jac-Merr)	25	6	424	0.0100	10	10	8,074	0.01249	1.12	0.10	5.61
Trunk (Bow-Bak)	12	8	400	0.0028	1	1	107,135	0.16576	1.48	0.32	74.40
Baker (Bull-Merr)	24	6	372	0.0211	5	5	4,037	0.00625	1.18	0.06	2.80
Baker (Jac-Merr)	23	6	412	0.0206	10	10	8,074	0.01249	1.44	0.08	5.61
Trunk (Bak -Can)	11	8	385	0.0028	3	3	121,669	0.18825	1.53	0.34	84.49
Canal (Jac-Merr)	22	6	500	0.0120	6	23	18,756	0.02902	1.54	0.14	13.03
Trunk (Canal -UP)	10	8	500	0.0028	0	0	140,425	0.21727	1.59	0.37	97.52
Trunk	9	8	371	0.0028	3	5	144,353	0.22335	1.60	0.37	100.25
Trunk	8	8	500	0.0028	3	3	146,775	0.22709	1.61	0.38	101.93
Trunk	7	8	500	0.0028	2	2	148,390	0.22959	1.62	0.38	103.05
Trunk (Rd 44)	6	8	450	0.0028	1	1	149,197	0.23084	1.62	0.38	103.61
Trunk	5	8	476	0.0028	0	0	149,197	0.23084	1.62	0.38	103.61
Trunk	4	8	476	0.0028	0	0	149,197	0.23084	1.62	0.38	103.61
Trunk	3	8	477	0.0028	0	0	149,197	0.23084	1.62	0.38	103.61
Trunk	2	8	30	0.0028	0	0	149,197	0.23084	1.62	0.38	103.61
TOTAL				_	181	200	149,197				

PEAKING FACTOR

Peak Flow PF/EDU

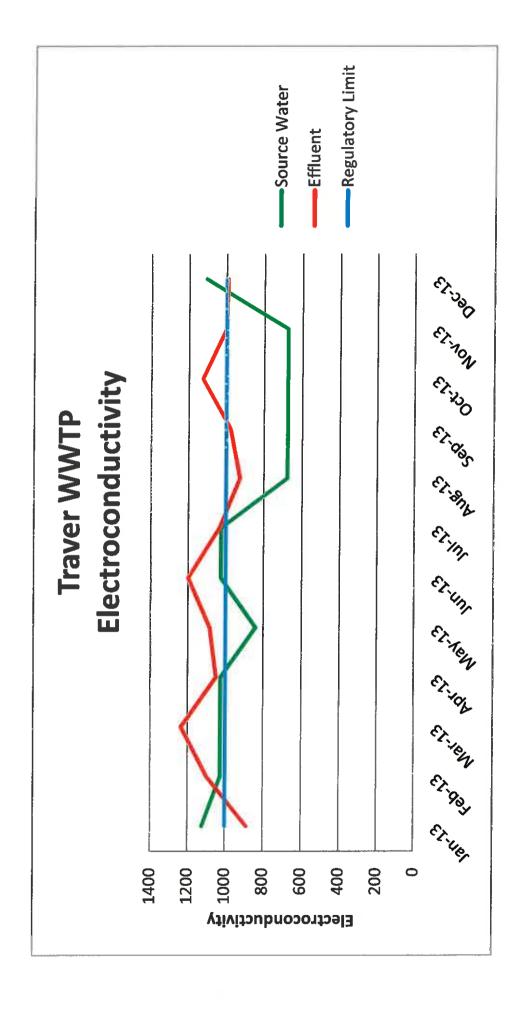
161,309 gpd 807 gpd/EDU **EXHBIT 12**

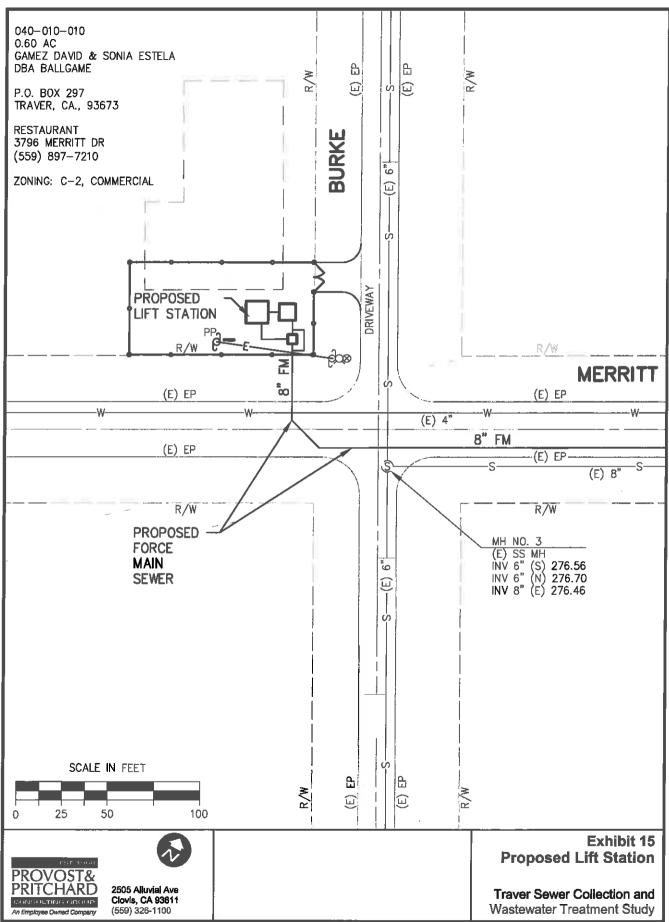
Traver Sewer Collection and Wastewater Treatment Study

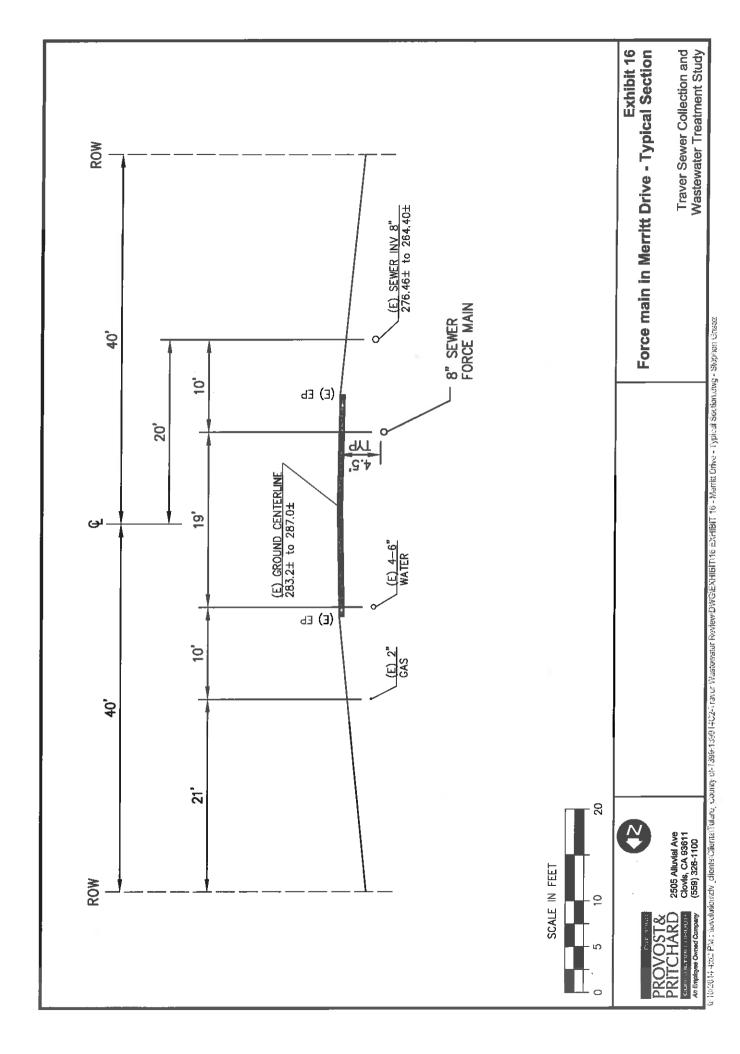


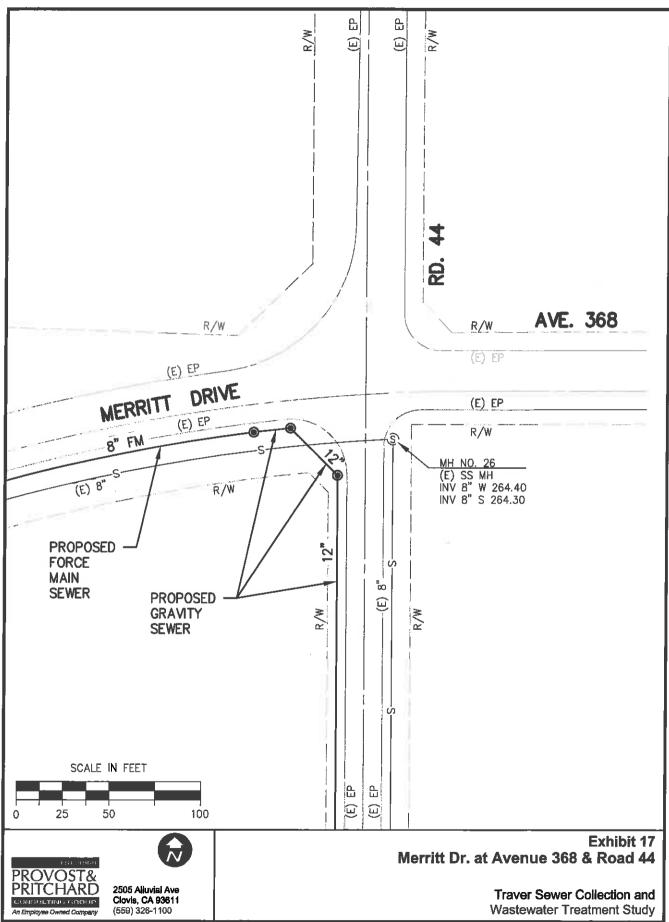
EXHIBIT 13

Traver Sewer Collection and Wastewater Treatment Study

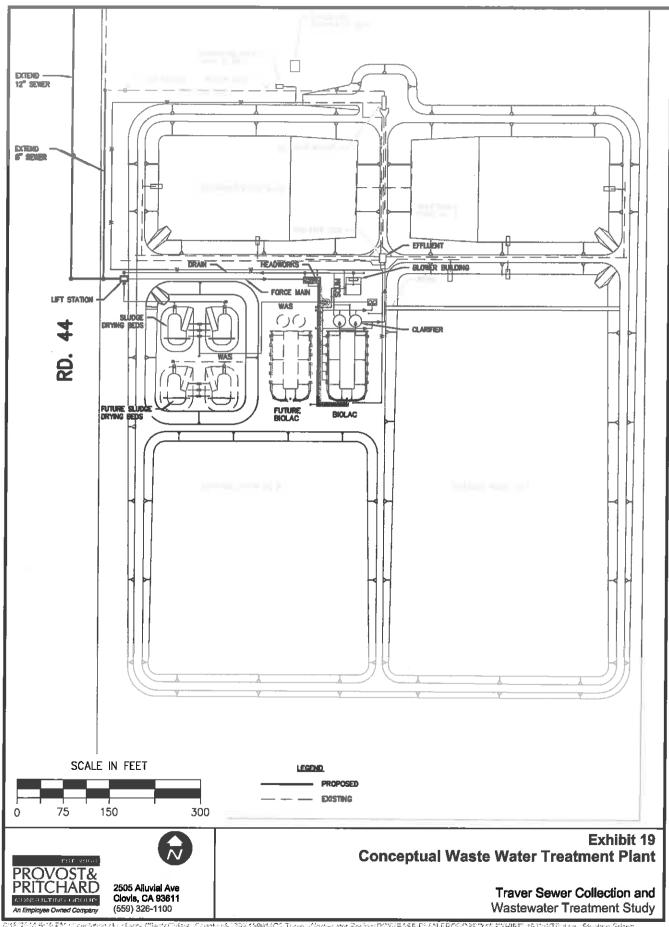


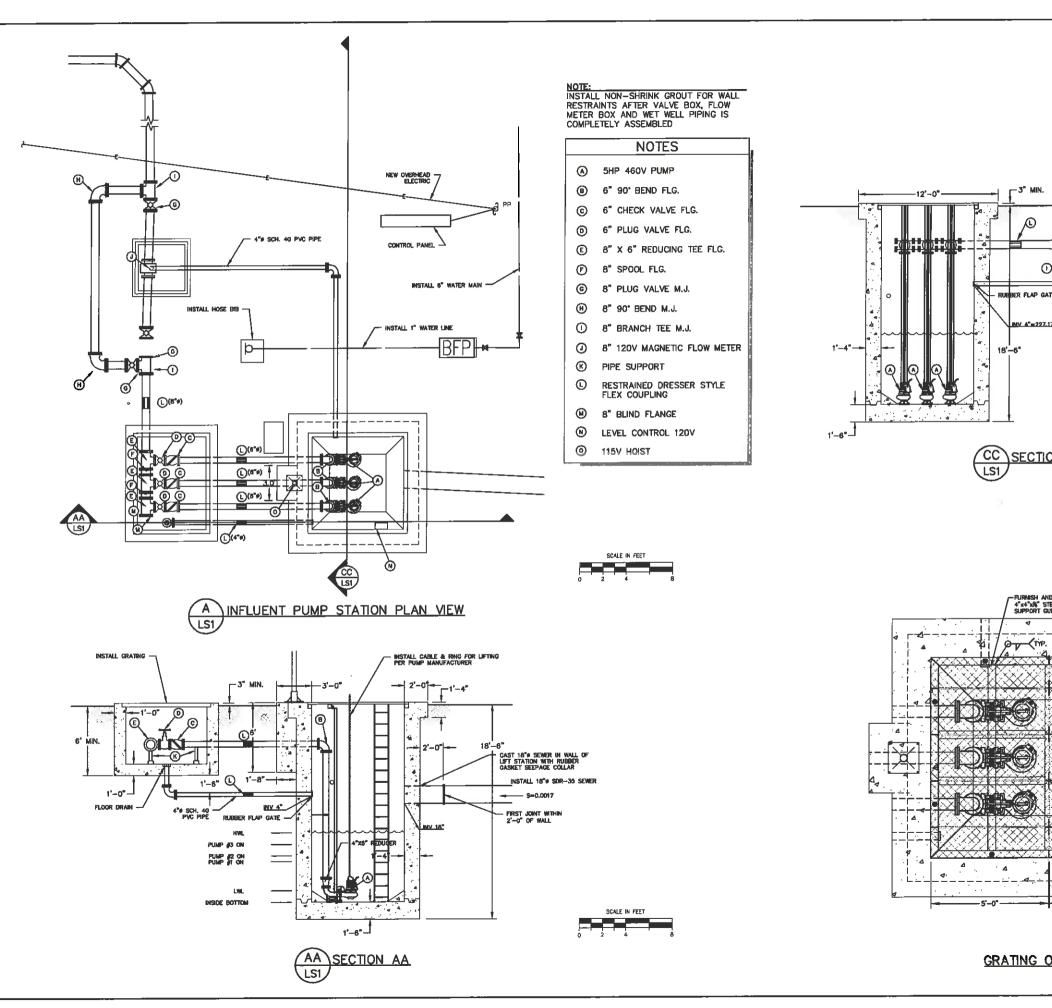


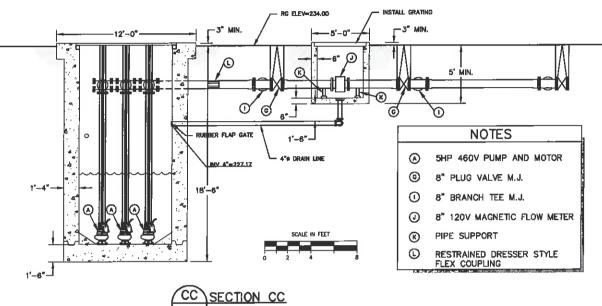








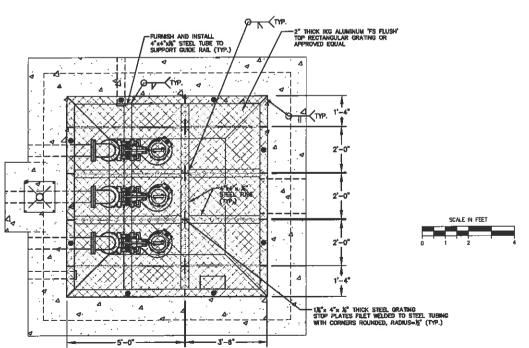




WARNING

POWER LINES OVERHEAD

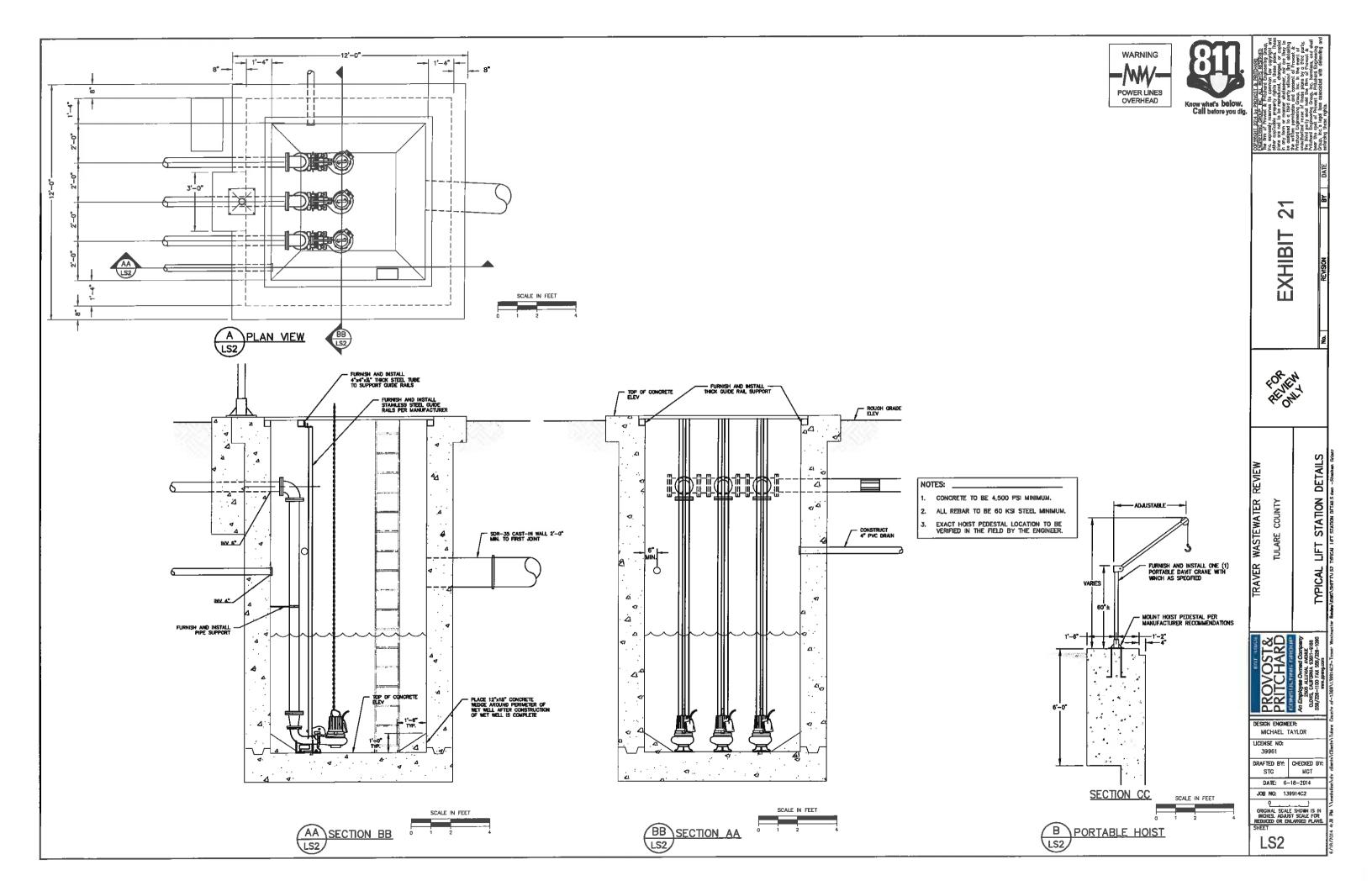
Know what's below. Call before you dig

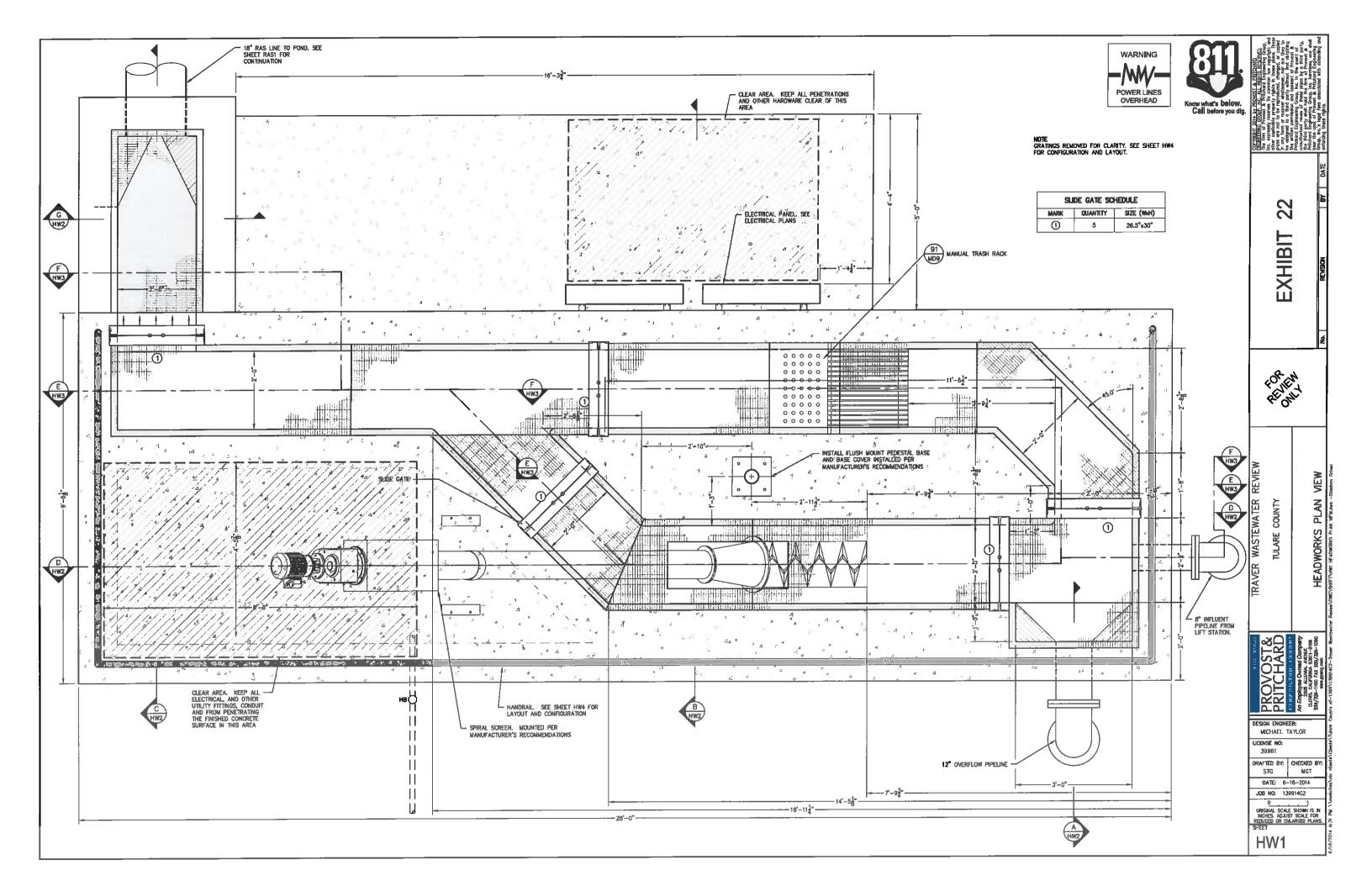


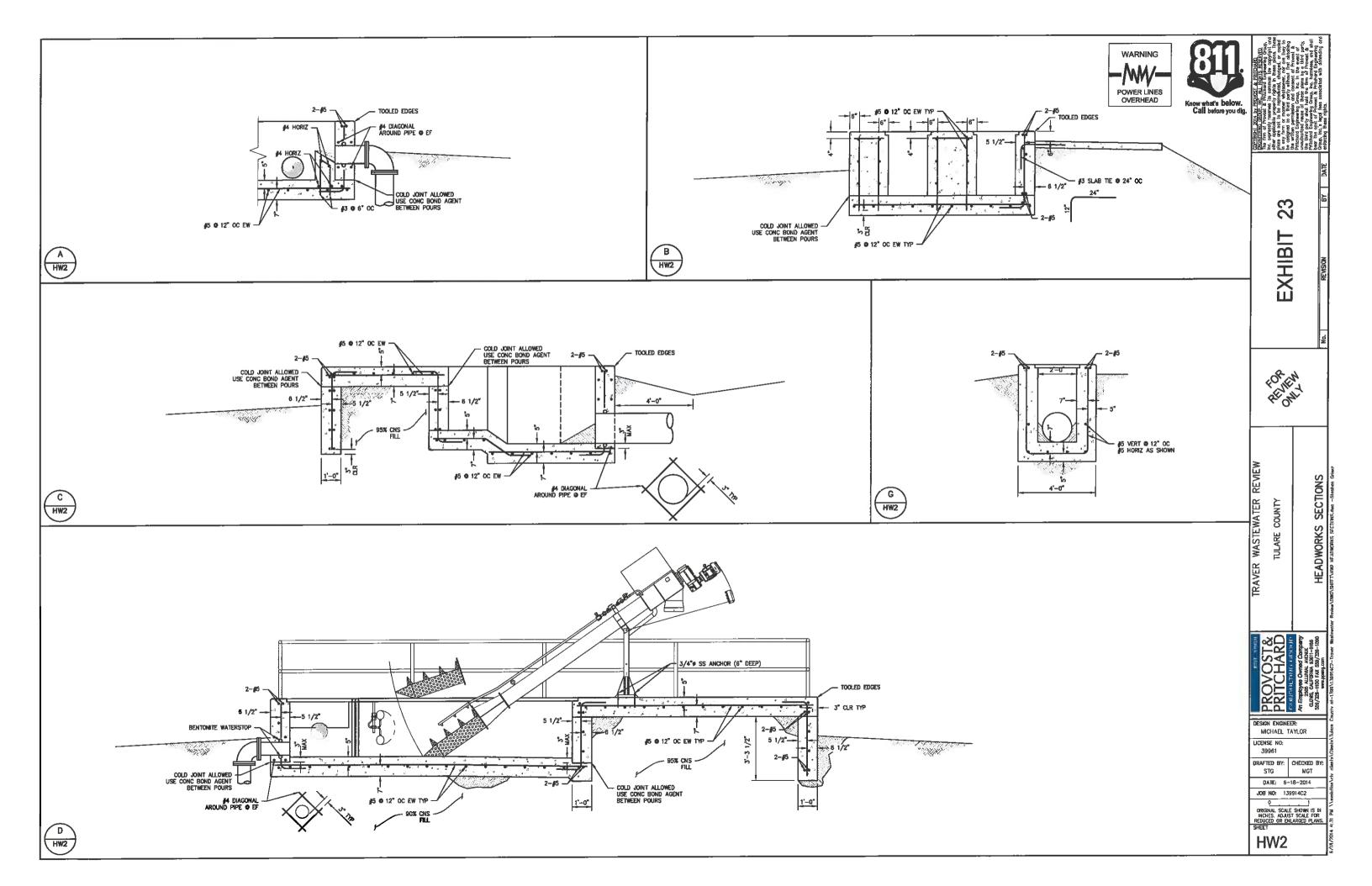
GRATING OVER WET WELL

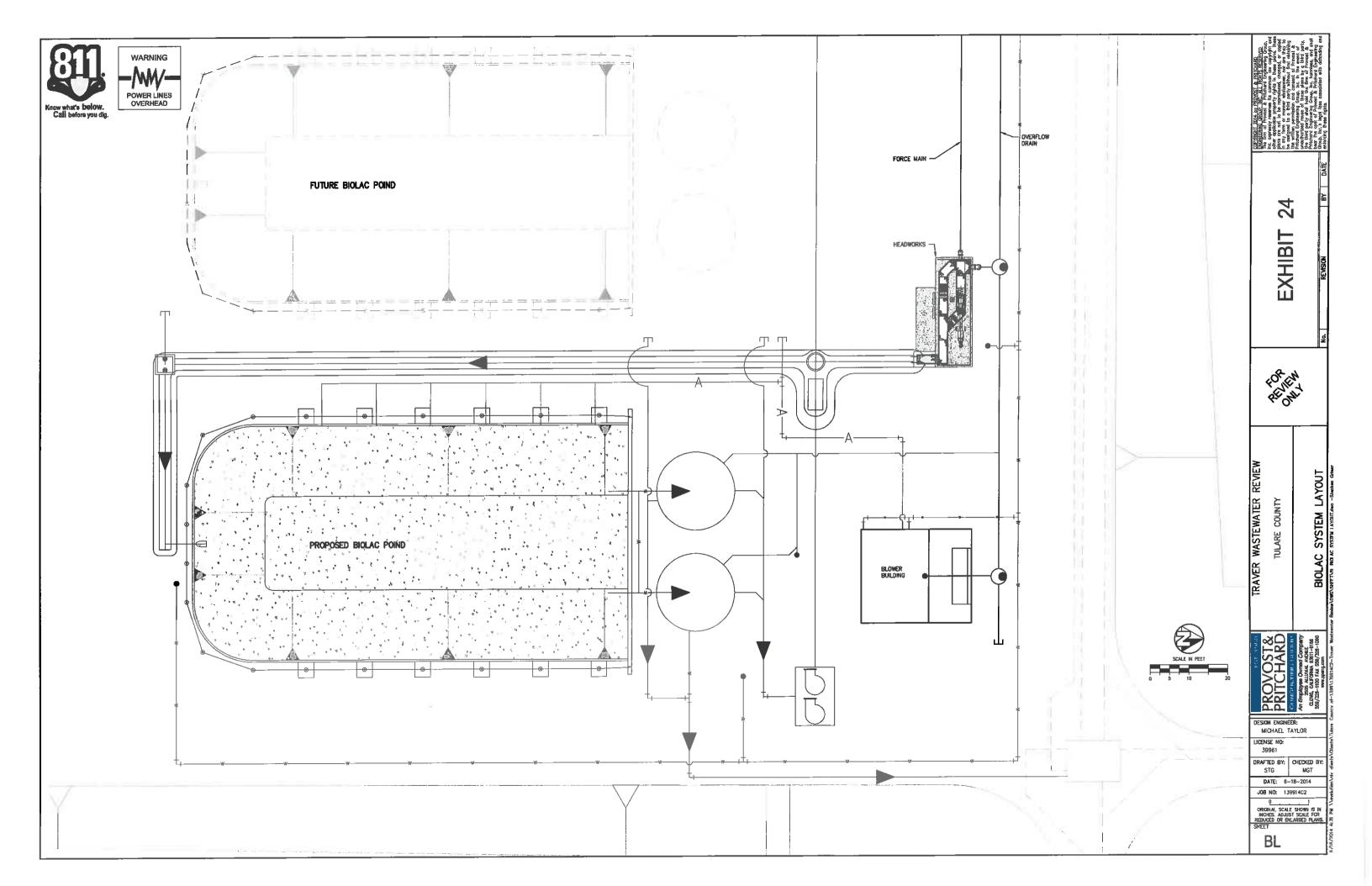
20 EXHIBIT WASTEWATER REVIEW TULARE COUNTY DESIGN ENGINEER: MICHAEL TAYLOR LICENSE NO: 39961 DRAFTED BY: CHECKED BY STG DATE: 6-18-2014 JOB NO: 139914C2 ORIGINAL SCALE SHOWN IS IN INCHES, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS, SHEET

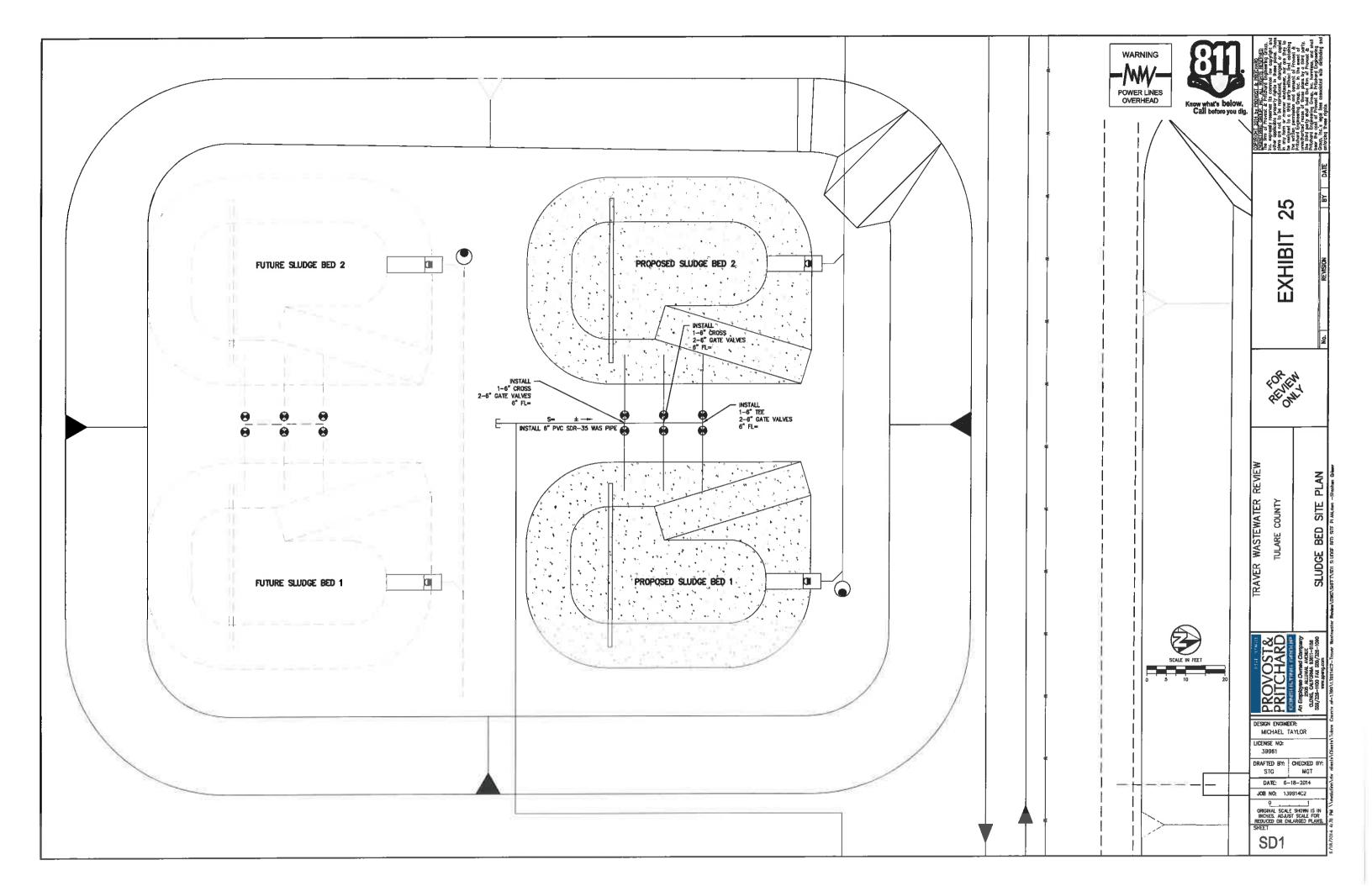
LS₁

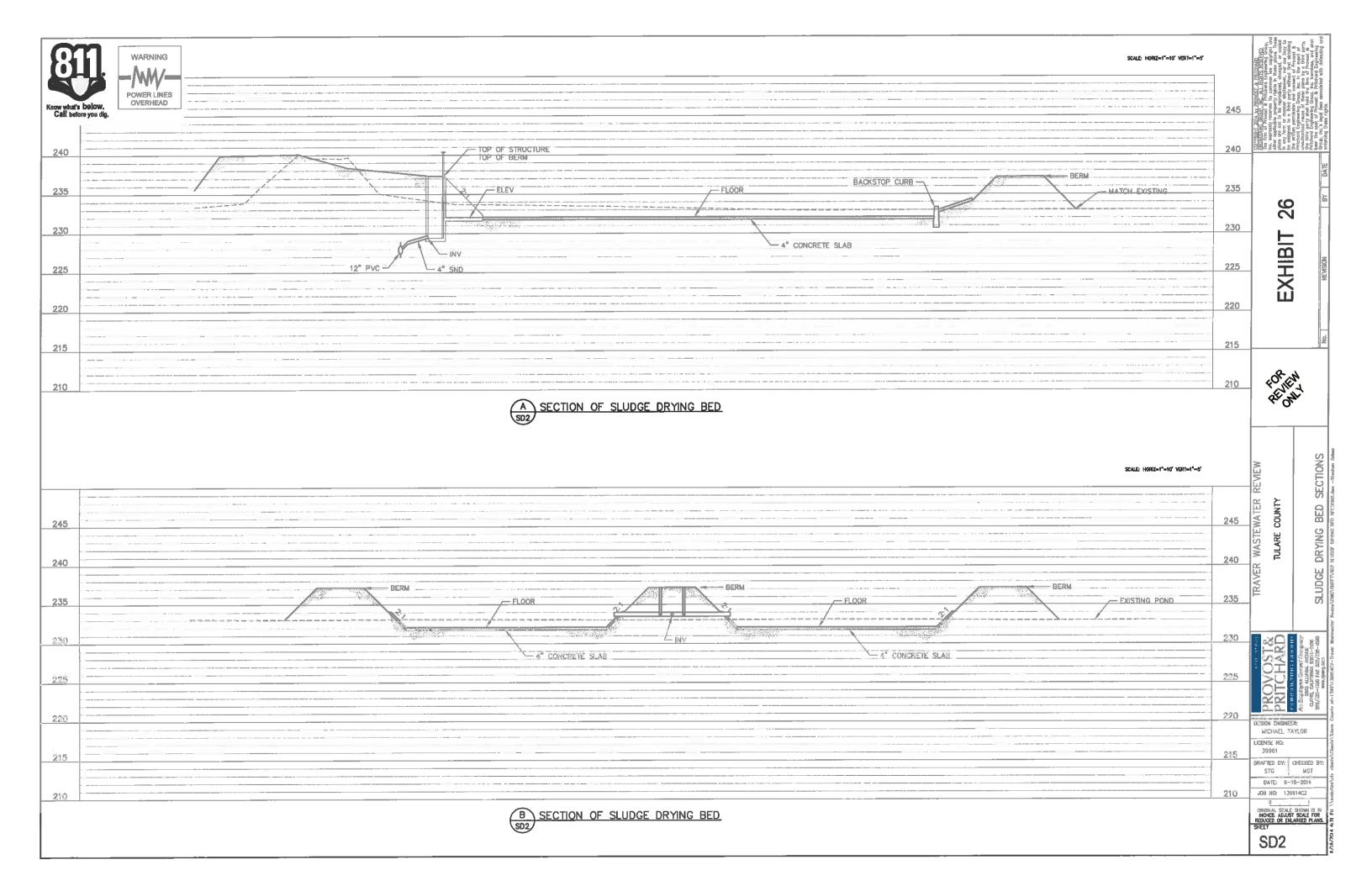












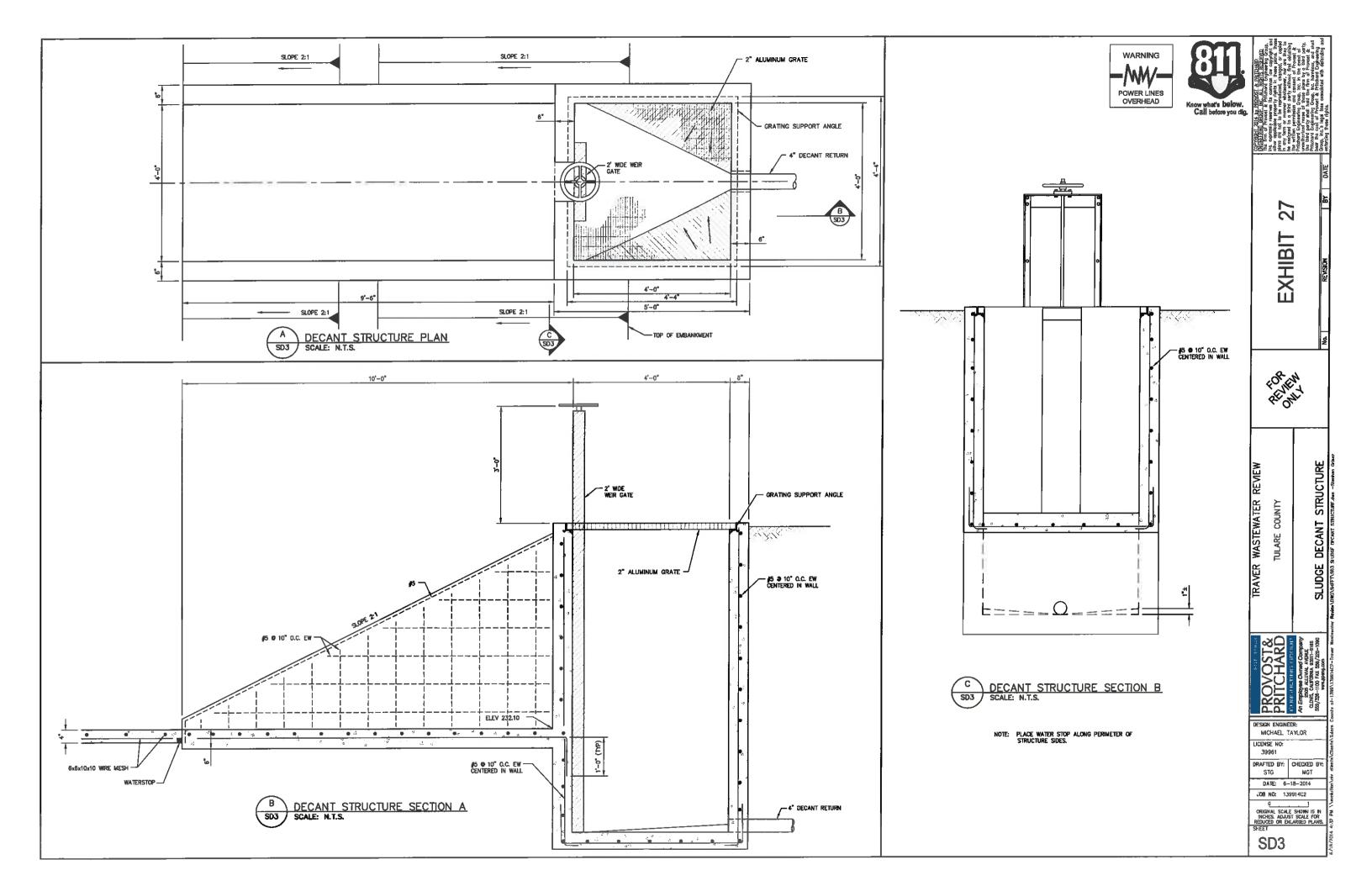


EXHIBIT 28 Preliminary Estimate of Overall Cost

No. 1 Mol No. 2 Dus 3 Woo 4 Tra Tra Cle SW 6 SW 7 7 6 in 11 Mol No. 11 Mol No	Item Description	Price			Ciantity	4	Ouantity	1	Quantity	- (
	_			-	עוווווא	Cost	Quantity	Cost		COST
	Mobilization, Bonds.	\$100.000	-	S	0.4	•	_		0.7	
	Insurance			 }	,	\$40,000	•	\$100,000	5	\$70,000
	Dust Control	\$5,000	_	rs	_	\$5,000	2	\$10,000	7	\$10,000
	Worker Protection			တ္ မ	- -	\$5,000	2 0	\$10,000		\$10,000
	Famic Control	\$60.000		ი ლ	- 0	\$10,000	7 6	\$120,000		860 000
	SWPPP Operations	\$10,000	-	2 2	0.2	\$2,000	ı -	\$10,000	0.2	\$2,000
	6 inch gravity sewer	\$70	,	ㅂ	1,180	\$82,600	2,800	\$196,000	1,800	\$126,000
	8 inch gravity sewer	\$80		<u>-</u> -	0	08	1,600	\$128,000	0	80
	12 inch gravity sewer	00.00	-	<u> </u>	5 0	O 6	003.	\$135,000	0 0	9
-	RR Crossing 6 inch force main	025	. ~	<u> </u>	o C	9 6	300	\$301,000	5 6	9 %
Z	Manholes	\$4 000		Α	ס גמ	000 008	200	\$80,000		\$24 000
් ගී	Compaction		-	Œ	0	\$2,000	ි ස	\$6,000		83,000
	Pavement	\$70	-	Ľ,	1,180	\$82,600	8,600	\$602,000	1,8	\$126,000
Pre	Property Acquisition	\$10,000	-	rs	1.0	\$10,000	0	\$0	0	\$0
<u>.</u>	Lift Station Grading			S	1.0	\$30,000	0	\$0		80
2 2	Demolish Lift Station	\$30,000	-	S.	0.	430 000	5	G	0	ę.
Jue 17 Dupl	Duplex Lift Station	\$150,000	-	S		\$150.000	C	9 6		9 9
=======================================	Lift Station Electrical		1	rs	_	\$50,000	0	80	0	98
	Generator		-	S	-	\$50,000		\$0		\$
20 Cit	Lift Station Fencing	\$6,000	-	ည	_	\$6,000		\$0		\$0
	Lift Station surfacing	\$10,000	-	တ္ မ	_	\$10,000	0 7	0\$	0	0\$
	Station	900,000		3		0\$		\$250.000		80
	WWTP Demolition	\$150.000	-	S	0	9	-	\$150,000		9
24 Bv	Bypass of flow		-	S	0	90		\$50,000	0	- G
	Headworks amd Screen	\$250,000	-	<u>S</u>	0	\$	_	\$250,000		80
	and Installation									
26 Flo	Flow meter	\$15,000		E	0	\$	_	\$15,000	0	\$0
	Grading	\$100,000	-	rs	0	0\$	_	\$100,000	_	\$100,000
-	Pond Construction	\$200,000		က္ မ	0 0		- 7	\$200,000		\$200,000
2 G	Package Equipment	00000		3	>	2		,000	-	900,000
	Clarifier Construction	\$250,000	-	S	0	\$	_	\$250.000	*	\$250,000
31 Ha	Handrailing	\$25,000	-	rs S	0	\$0	-	\$25,000	-	\$25,000
	Yard Piping	\$50,000	-	rs		9		\$50,000		\$50,000
	te WorldFencing	\$100,000	_	AC	0.00	\$		\$89,532	0.0	\$0
	Blower Building	\$100		R C	0	08		\$150,000		9
	Office/Lab	000 000		بر ا	0 0	9 6	nne'L	\$225,000		3 C C C C C C C C C C C C C C C C C C C
	Siddge Dryllig beds Coadulant Dosing and	000,002¢		<u>.</u>	5 C	O# 6	- c	\$200,000 \$00,000	0.0	000,0014
S E	mixing	9		3	5	3		9		•
38 Gr	Groundwater Monitoring	\$25,000		EA	0		က		0	
	Wells	1			-	\$0		\$75,000		\$0
39 E#	Effluent Pump Station	\$200,000		<u>ლ</u>	0	0\$	0 7	\$0	0	₩
\ \{\bar{\}}	WWTP, rehabilitate	200,001	•	3			=	9100,000		
: <u>8</u>	bonds							I		
E	Effluent Pond	\$200,000	1	rs S			_	\$200,000		
<u>Б</u>	Embankments	,	,							
# #	Effluent Pond Embankment Surfacing	\$200,000	_	ട			_	\$200,000		
				_						
40 41	Effluent Piping	\$300,000		<u> </u>	0 0	9	600	\$18,000	000	\$18,000
	Controls				· -		_	200,000		
42 St	Standby Power	\$150,000	-	LS	0			\$150,000	0	\$
L		30	S	Subtotal		ଧ୍⊩		\$5,170,532	2	\$1,634,000
Eng Reg	Engineering Reculatory Permitting	8% \$25,000	,	<u>u</u>	c	\$47,776		\$413,643		\$130,720
E L	Environmental	\$40,000		3 4	o C		- +	\$23,000 \$40,000		000°CZ\$
Adm	Admin/legal	2%		}	•			\$103.411	-	\$32,680
Survey	/ey	2%		•		\$11,944		\$103,411	_	\$32,680
Adv	Advertising	\$10,000	-	ဌ	-	\$10,000		\$10,000		\$10,000
Per	Permittina	\$10.000	-	S	_	\$10,000	_	\$258,527 \$10,000		\$81,700 \$10,000
	20%		Confi	Contingency				\$1 034 100		\$326 AOO
		_	F	Total		\$838,000		\$7.169.000		\$2.324.000

Assumptions:

The cost of sewer service connections is not included.

The RWQCB requirements for expansion are not known.

The effluent disposal limit for the WWTP property is approximately 0.17 mgd.

This total is estimated to be very near the total required capacity for the three scenarios.

Additional capacity for expansion is not included at this time.

Additional property acquisition may be required.

Standby Power will be required at the new lift station in town.

A replacement lift station will be required in the WWTP.

Replacement Standby Power will be required at the WWTP.

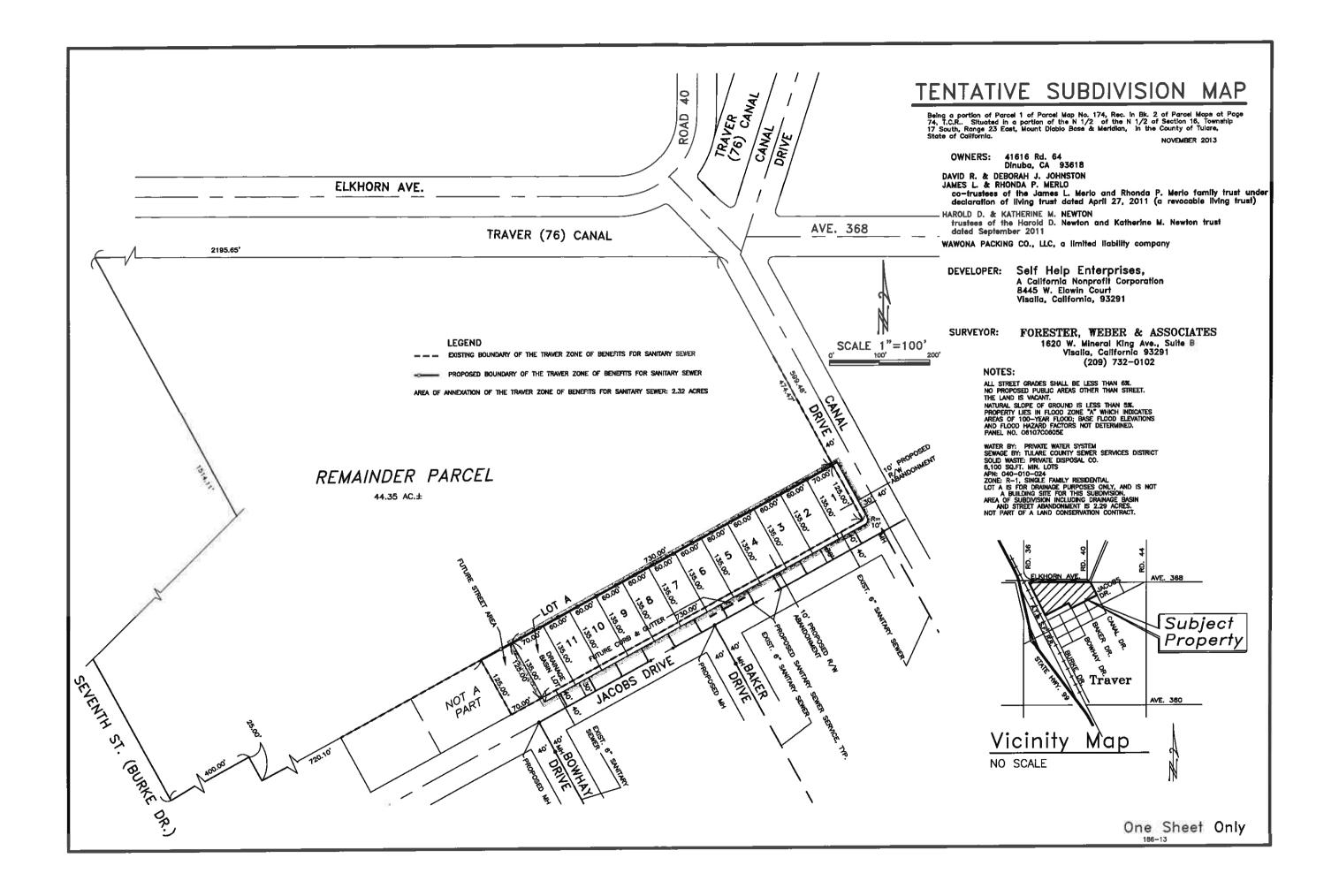
The new treatment process will be Biolac or BioWorks

The new treatment process would be comprised of two trains, each 0.1 mgd capacity.

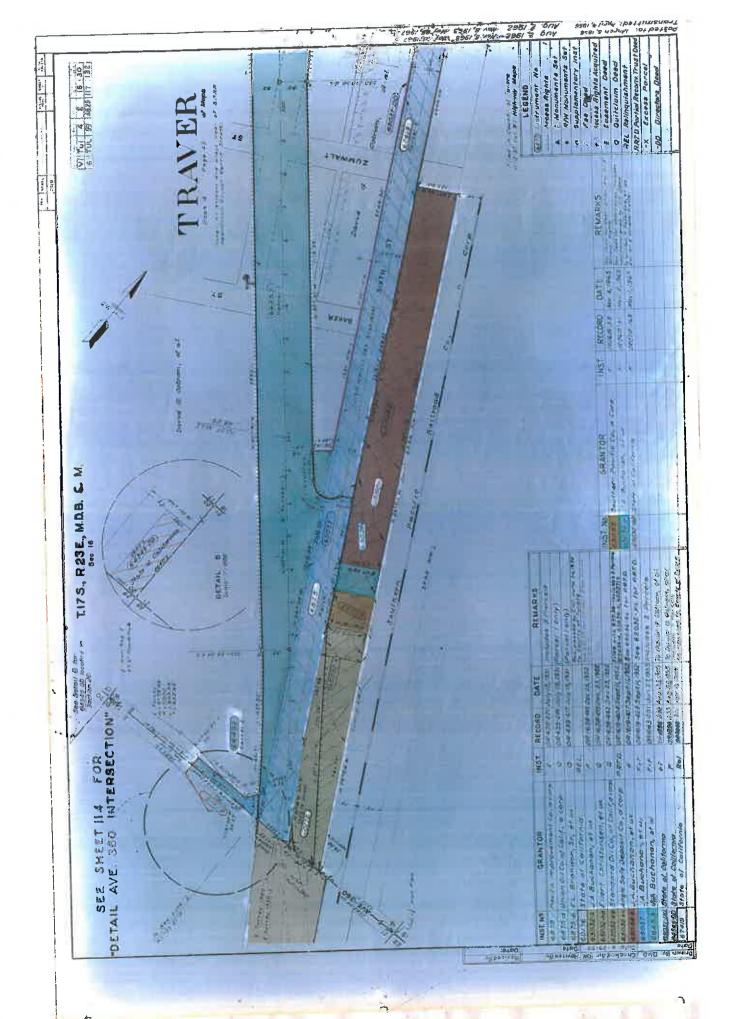
Operational costs for the sanitary system will increase.

The final alignment of pipelines is not known, therefore the impact to pavement is not known.

APPENDIX A











FKC SCREW PRESS

About FKC Screw Press

Screw Press

Applications

Rotary Screen Thहाहिमहीड्ड (Rstroduction

Flocculation Tanks

On-site Pilot
Testing/ Press

Lapp Hetations Employment Sales Literature

Inkstock and Vank Reviews (RST) Contact Us

Flocculation Tanks

On-Site Testing

Lab Testing

Employment

Sales Literature

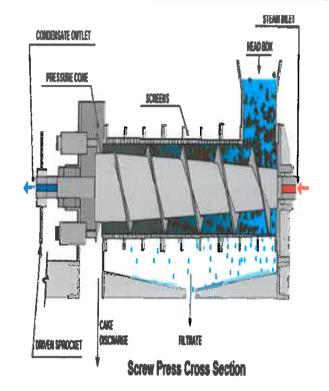
In-stock and Used Equipment

Contact Us

Screw Press Introduction

An FKC screw press can be used in an extremely wide variety of liquid-solid separation, or dewatering applications. An FKC screw press can be used in the same applications where belt presses, centrifuges, and filter presses have traditionally been used, as well as in more traditional screw press applications such as those in the pulp & paper industry. FKC custom designs and manufactures screw presses from 100 mm (4") to 1500 mm (59") in diameter, with wetted lengths up to 9 meters (30').

As shown to the right, the screw press is a very simple, slow moving mechanical devise. Dewatering is continuous and is accomplished by gravity drainage at the inlet end of the screw and then by reducing the volume as the material being dewatered is conveyed from the inlet to the discharge end of the screw press. Proper screw design is critical, as different materials require different screw speeds, screw configurations, and screens in order to dewater to a high outlet consistency while maintaining an excellent capture rate.





(Retroduction
Flocculation Tanks
On-site Pilot
Testies Press
Lab attackens

Employment

Sales Literature
Irkstock and een
White Kenters (RST)
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Flocculation Tanks

On-Site Testing

Lab Testing

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FKC Screw Press

Biosolids Dewatering

FKC screw presses provide a unique, cost effective solution for dewatering of municipal and industrial biosolids. While relatively new to this market in North America, FKC screw presses have been dewatering various non-fibrous sludges and other materials for over 20 years in a wide variety of industries. Click Here to Download the Biosolids Flyer

Applications:

- Municipal WWTP Sludges of All Types (Aerobically Digested, Anaerobically Digested, Raw)
- Primary, Secondary, or Mixed Sludges
- Industrial Biosolids
- Septage & Grease Trap
- Sludge Thickening RST & HC-RST

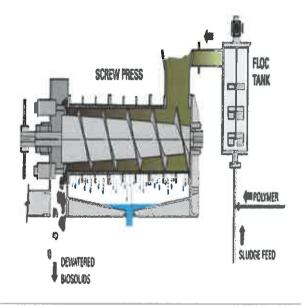
Features of the FKC Biosolids Dewatering Screw Press:

- Heavy Duty Construction
- High Outlet Consistency
- Slow Speed
- Few Moving Parts
- Very Low Maintenance
- <u>Upgradeable to Produce</u> <u>Class A</u>

Biosolids

- Stainless Steel Wetted parts
- Low Power Consumption
- Fully Enclosed covers
- Simple, Unattended Operation
- Automated Washdown
- High Quality Construction

Click Here for Pictures



Typical Sludge Dewatering Process Flow Diagram



MONTHLY USER CHARGE SUMMARY

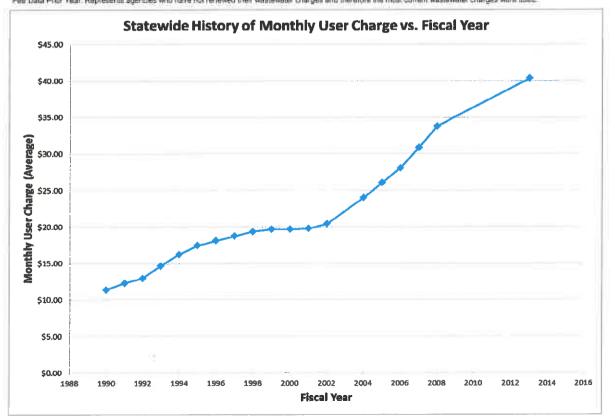
SINGLE FAMILY DWELLING F. Y. 2012-13 UPDATE

Prepared by: S. W. R. C. B., Division of Financial Assistance

Note: User Charge Summary calculations exclude data from agencies reporting variable user charge.

		STAT	TEWIDE HIST	TORY				
	User Areas Surveyed	User Areas Reporting	Reporting User Charge	User Charge Data Prior Year ¹	Lowest (per month)	Highest (per month)	Average (per month)	Median (per month)
State Fiscal Year 1989-1990	677	550	400	-	\$1.75	\$51.00	\$11.44	\$10.00
State Fiscal Year 1990-1991	677	540	425	5.2	\$0.00	\$73.95	\$12.36	\$10.70
State Fiscal Year 1991-1992	677	493	374	54	\$0.00	\$99.00	\$13.00	\$11.60
State Fiscal Year 1992-1993	677	554	440	19	\$1.21	\$99.00	\$14.73	\$12.85
State Fiscal Year 1993-1994	819	722	597	12	\$0.00	\$84.87	\$16.30	\$14.00
State Fiscal Year 1994-1995	819	723	603	7.	\$3.17	\$88.75	\$17.51	\$15.00
State Fiscal Year 1995-1996	819	711	593	196	\$4.25	\$88.75	\$18.15	\$15.37
State Fiscal Year 1996-1997	821	755	633	12	\$2.71	\$88.75	\$18.80	\$16.00
State Fiscal Year 1997-1998	827	750	625	72	\$4.25	\$88.75	\$19.43	\$16.50
State Fiscal Year 1998-1999	827	742	616	19	\$4.25	\$88.75	\$19.72	\$16.51
State Fiscal Year 1999-2000	908	820	718	8.	\$0.00	\$91.38	\$19.71	\$16.67
State Fiscal Year 2000-2001	908	783	723	7.	\$0.00	\$145.50	\$19.82	\$16.80
State Fiscal Year 2001-2002	906	602	552	142	\$4.25	\$118.88	\$20.46	\$17.43
State Fiscal Year 2002-2003	No Survey	-	-	-	±4		121	_
State Fiscal Year 2003-2004	902	759	584	52	\$4.25	\$169.92	\$24.03	\$20.22
State Fiscal Year 2004-2005	904	738	608	93	\$0.00	\$248.58	\$26.08	\$22.04
State Fiscal Year 2005-2006	898	750	626	91	\$0.00	\$231.92	\$28.09	\$23.87
State Fiscal Year 2006-2007	916	753	625	73	\$0.00	\$231.92	\$30.86	\$25.00
State Fiscal Year 2007-2008	920	784	651	65	\$0.00	\$231.92	\$33.82	\$26.83
State Fiscal Year 2008-2009	No Survey	22	323	-	_			(%)
State Fiscal Year 2009-2010	No Survey	-	-		12	25	\$	-
State Fiscal Year 2010-2011	No Survey	-	0.00		*1	96	28	-
State Fiscal Year 2011-2012	No Survey	12		-	± :	***	(5)	
State Fiscal Year 2012-2013	759	422	370	*	\$0.00	\$368.33	\$40.30	\$33.83

Fee Data Prior Year. Represents agencies who have not renewed their wastewater charges and therefore the most current wastewater charges were used.



· · · · · · · · · · · · · · · · · · ·					
	Reporting	Lowest	Highest	Average	Median
Criteria	Fixed Charge	(per month)	(per month)	(per month)	(per month)
ALL FACILITIES RETURNING FORM ²	365	\$0.00	\$368.33	\$35.81	\$29.44
POPULATION UNDER 1,000	58	\$0.00	\$368.33	\$62.23	\$47.00
POPULATION 1,000 TO 9,999	107	\$6.50	\$131.20	\$45.45	\$38.27
POPULATION 10,000 TO 49,999	97	\$1.92	\$90.00	\$35.11	\$33.54
POPULATION 50,000 TO 99,999	44	\$1.86	\$62.67	\$26.56	\$24.38
POPULATION 100,000 TO 499,999	45	\$2.41	\$108.00	\$27.38	\$25.33
POPULATION 500,000 AND OVER	14	\$3.71	\$33.83	\$18.14	\$14.66
			--		
RATES BASED ON BOD/SS LOADING ³	162	\$3.10	\$151.45	\$39.83	\$27.06
POPULATION UNDER 1,000	7	\$9.67	\$151.45	\$73.92	\$51.58
POPULATION 1,000 TO 9,999	25	\$6.50	\$131.20	\$57.43	\$52.01
POPULATION 10,000 TO 49,999	55	\$4.77	\$73.51	\$30.01	\$22.69
POPULATION 50,000 TO 99,999	29	\$3.10	\$62.67	\$30.98	\$29.62
POPULATION 100,000 TO 499,999	33	\$10.08	\$108.00	\$27.41	\$24.50
POPULATION 500,000 AND OVER	13	\$11.17	\$33.83	\$19.25	\$16.28
RATES NOT BASED ON BOD/SS LOADING ³	203	\$1.86	\$368.33	\$30.44	\$24.75
POPULATION UNDER 1,000	51	\$6.00	\$368.33	\$61.85	\$44.25
POPULATION 1,000 TO 9,999	81	\$6.96	\$114.00	\$41.76	\$36.90
POPULATION 10,000 TO 49,999	43	\$4.77	\$73.51	\$30.01	\$22.69
POPULATION 50,000 TO 99,999	15	\$1.86	\$42.24	\$18.01	\$15.79
POPULATION 100,000 TO 499,999	12	\$2.41	\$67.00	\$27.31	\$26.81
POPULATION 500,000 AND OVER	1	\$3.71	\$3.71	\$3.71	\$3.71

²Excludes agencies not reporting fixed charge and/or population

NOTE: User Charge Summary calculations exclude data from agencies reporting variable user charge.

MONTHLY USER CHARGE GRO	UPED BY LEVEL OF	TREATMENT	Γ		
	Reporting	Lowest	Highest	Average	Median
Criteria	Fixed Charge				
ALL FACILITIES RETURNING FORM⁴	237	\$0.00	\$459.00	\$48.67	\$39.49
SEPTIC TANK(S)	0	N/A	N/A	N/A	N/A
PRIMARY TREATMENT	36	\$0.00	\$145.00	\$32.15	\$26.79
PRIMARY WITH DISINFECTION	9	\$12.83	\$459.00	\$90.26	\$44.16
SECONDARY TREATMENT	33	\$8.50	\$100.00	\$36.71	\$26.87
SECONDARY WITH DISINFECTION	42	\$9.00	\$162.50	\$45.91	\$39.83
SECONDARY WITH NUTRIENT REMOVAL	20	\$15.58	\$203.75	\$54.40	\$40.96
TERTIARY TREATMENT	53	\$6.83	\$144.92	\$33.62	\$31.90
TERTIARY WITH NUTRIENT REMOVAL	44	\$3.99	\$183.33	\$47.62	\$39.49
RATES BASED ON BOD/SS LOADING ⁵	117	\$3.99	\$140.17	\$37.11	\$33.66
SEPTIC TANK(S)	0	N/A	N/A	N/A	N/A
PRIMARY TREATMENT	4	\$21.15	\$49.42	\$34.47	\$33.66
PRIMARY WITH DISINFECTION	2	\$27.70	\$51.58	\$39.64	\$39.64
SECONDARY TREATMENT	10	\$12.92	\$79.08	\$32.36	\$27.06
SECONDARY WITH DISINFECTION	25	\$9.00	\$140.17	\$43.53	\$41.26
SECONDARY WITH NUTRIENT REMOVAL	9	\$22.90	\$99.09	\$40.78	\$33.21
TERTIARY TREATMENT	36	\$9.67	\$100.92	\$29.40	\$25.75
TERTIARY WITH NUTRIENT REMOVAL	31	\$3.99	\$131.20	\$39.60	\$33.83
RATES NOT BASED ON BOD/SS LOADING ⁵	120	\$6.83	\$459.00	\$57.06	\$39.35
SEPTIC TANK(S)	0	N/A	N/A	N/A	N/A
PRIMARY TREATMENT	32	\$9.00	\$145.00	\$31.86	\$25.98
PRIMARY WITH DISINFECTION	7	\$12.83	\$459.00	\$104.72	\$44.16
SECONDARY TREATMENT	23	\$8.50	\$100.00	\$38.60	\$24.24
SECONDARY WITH DISINFECTION	17	\$12.00	\$162.50	\$49.42	\$38.40
SECONDARY WITH NUTRIENT REMOVAL	11	\$15.58	\$203.75	\$65.55	\$58.09
TERTIARY TREATMENT	17	\$6.83	\$144.92	\$42.54	\$39.35
TERTIARY WITH NUTRIENT REMOVAL	13	\$9.31	\$183.33	\$66.74	\$47.27

⁴Excludes agencies not reporting fixed charge and/or level of treatment

⁸Excludes agencies not reporting fixed charge, loading, and/or population

⁵Excludes agencies not reporting fixed charge, loading, and/or level of treatment

County	User Areas Surveyed	User Areas Reporting	Reporting Fixed Charge	Lowest (per month)	Highest (per month)	Average (per month)	Median (per month)
ALAMEDA	16	10	8 .	\$13.64	\$40.75	\$25.20	\$24.15
ALPINE	3	2	2	\$61.50	\$76.50	\$69.00	\$69.00
AMADOR	9	5	4	\$29.35	\$75.59	\$54.38	\$56.29
BUTTE	11	4	4	\$8.60	\$27.35	\$20.74	\$23.50
CALAVERAS	6	3	2	\$33.75	\$71.92	\$52.84	\$52.84
COLUSA	4	2	2	\$15.00	\$48.00	\$31.50	\$31.50
CONTRA COSTA	20	13	13	\$15.79	\$162,50	\$56.88	\$42.24
DEL NORTE	3	1	1	\$64.32	\$64.32	\$64.32	\$64.32
EL DORADO	3	0	0			20	3
FRESNO	25	15	13	\$15.68	\$47.00	\$32.39	\$35.00
GLENN	5	3	2	\$20.92	\$46.69	\$33.81	\$33.81
HUMBOLDT	19	9	7	\$12.83	\$51.58	\$40.52	\$47.00
IMPERIAL	12	4	4	\$31.45	\$49.32	\$41.10	\$41.81
INYO	5	3	3	\$8.50	\$27.58	\$17.03	\$15.00
KERN	29	17	17	\$10.00	\$368.33	\$40.35	\$18.22
KINGS	7	2	2	\$22.90	\$27.70	\$25.30	\$25.30
LAKE	4	2	2	\$26.00	\$50.18	\$38.09	\$38.09
LASSEN	5	5	5	\$15.58	\$37.01	\$26.52	\$25.00
LOS ANGELES	91	42	37	\$1.86	\$108.00	\$20.00	\$12.50
MADERA	3	1	1	\$20.80	\$20.80	\$20.80	\$20.80
MARIN	20	13	11	\$20.50	\$84.42	\$51.95	\$53.50
MARIPOSA	2	1	1	\$21.00	\$21.00	\$21.00	\$21.00
MENDOCINO	15	7	7	\$37.75	\$151.45	\$70.50	\$60.42
MERCED	16	8	8	\$22.69	\$85.00	\$37.50	\$26.60
MODOC	4	1	1	\$38.00	\$38.00	\$38.00	\$38.00
MONO	4	1	1	\$24.24	\$24.24	\$24.24	\$24.24
MONTEREY	14	10	9	\$6.96	\$50.00	\$27.58	\$27.00
NAPA	9	5	4	\$37.34	\$95.75	\$57.73	\$48.93
NEVADA	10	9	9	\$12.75	\$203.75	\$106.91	\$98.75
ORANGE	29	16	11	\$2.75	\$67.00	\$20.52	\$17.20
PLACER	14	13	13	\$6.83	\$114.00	\$51.14	\$38.64
PLUMAS	12	3	3	\$34.22	\$43.80	\$38.69	\$38.05
RIVERSIDE	28	17	15	\$4.07	\$44.71	\$25.22	\$24.50
SACRAMENTO	7	5	5	\$0.00	\$24.00	\$15.42	\$17.10
SAN BENITO	4	2	1	\$99.09	\$99.09	\$99.09	\$99.09
SAN BERNARDINO	32	17	14	\$13.03	\$71.90	\$34.20	\$28.78
SAN DIEGO	38	19	17	\$1.92	\$145.00	\$47.25	\$47.75
SAN FRANCISCO	1	1_	0	25.	32	25	-
SAN JOAQUIN	11	5	4	\$28.74	\$100.00	\$59.64	\$54.90
SAN LUIS OBISPO	20	15	11	\$14.86	\$99.55	\$42.63	\$41.35
SAN MATEO	20	12	10	\$2.41	\$85.42	\$49.22	\$53.29
SANTA BARBARA	21	11	10	\$14.00	\$90.00	\$44.31	\$47.96
SANTA CLARA	17	7	6	\$24.25	\$56.37	\$35.82	\$33.58
SANTA CRUZ	5	1	1	\$23.06	\$23.06	\$23.06	\$23.06
SHASTA	7	3	3	\$20.40	\$52.01	\$33.86	\$29.17
SIERRA	1	1	0	-	=	9	
SISKIYOU	17	9	7	\$7.39	\$42.00	\$29.00	\$36.90
SOLANO	6	3	3	\$26.65	\$45.88	\$37.93	\$41.26
SONOMA	12	15	12	\$19.63	\$140.17	\$80.06	\$73.88
STANISLAUS	16	14	13	\$21.15	\$81.53	\$39.23	\$36.73
SUTTER	4	2	2	\$33.60	\$68.80	\$51.20	\$51.20
TEHAMA	6	2	1	\$34.20	\$34.20	\$34.20	\$34.20
TRINITY	1	1	1	\$22.00	\$22.00	\$22.00	\$22.00
TULARE	25	15	14	\$9.00	\$59.25	\$31.34	\$31.70
TUOLUMNE	5	4	2	\$52.75	\$53.10	\$52.93	\$52.93
VENTURA	15	7	7	\$3.99	\$86.99	\$35.94	\$28.85
YOLO	7	2	2	\$9.00	\$38.30	\$23.65	\$23.65
YUBA	4	2	2	\$36.83	\$46.28	\$41.56	\$41.56
STATEWIDE	759	422	370	\$0.00	\$368.33	\$41.17	\$36.81

CONNECTION FEE SUMMARY

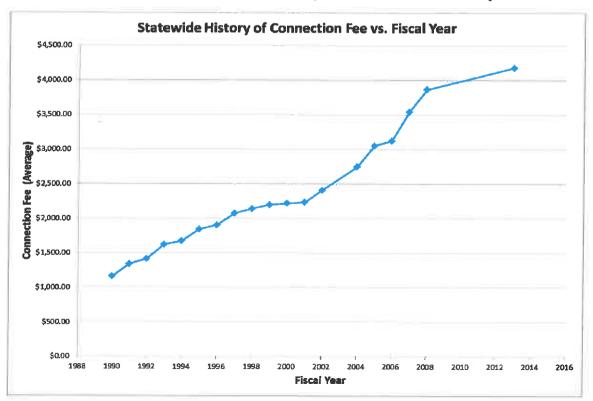
SINGLE FAMILY DWELLING

F. Y. 2012-13 UPDATE

Prepared by: S. W. R. C. B., Division of Financial Assistance

		STA	TEWIDE HIST	ORY				
	User Areas Surveyed	User Areas Reporting	Reporting Connection Fee	Connection Fee Data Prior Year ¹	Lowest	Highest	Average	Median
State Fiscal Year 1989-1990	677	550	474	383	\$0.00	\$6,740.00	\$1,167.00	\$900.00
State Fiscal Year 1990-1991	677	540	494	(6)	\$0.00	\$6,740.00	\$1,348.00	\$1,055.00
State Fiscal Year 1991-1992	677	493	418	5.40	\$0.00	\$6,818.00	\$1,425.00	\$1,200.00
State Fiscal Year 1992-1993	677	554	466	88.5	\$0.00	\$14,223.00	\$1,629.00	\$1,305.00
State Fiscal Year 1993-1994	819	722	612	4	\$0.00	\$10,130.00	\$1,680.00	\$1,454.00
State Fiscal Year 1994-1995	819	723	625	4	\$0.00	\$20,000.00	\$1,849.00	\$1,536.00
State Fiscal Year 1995-1996	819	711	636	3.5	\$0.00	\$12,000.00	\$1,910.00	\$1,600.00
State Fiscal Year 1996-1997	821	755	642	-	\$0.00	\$13,184.00	\$2,081.00	\$1,745.00
State Fiscal Year 1997-1998	827	750	641		\$0.00	\$13,981.00	\$2,147.00	\$1,742.00
State Fiscal Year 1998-1999	827	742	632	-	\$0.00	\$16,000.00	\$2,207.00	\$1,905.00
State Fiscal Year 1999-2000	908	820	695	_	\$0.00	\$18,000.00	\$2,225.00	\$1,777.00
State Fiscal Year 2000-2001	908	783	796	34	\$0.00	\$18,000.00	\$2,242,00	\$1,748.00
State Fiscal Year 2001-2002	906	602	541	194	\$0.00	\$18,000.00	\$2,415.00	\$1,982.00
State Fiscal Year 2002-2003	No Survey	-	-	-			.=.	
State Fiscal Year 2003-2004	902	759	658	58	\$0.00	\$20,300.00	\$2,752.00	\$2,111.00
State Fiscal Year 2004-2005	904	738	662	7 7	\$0.00	\$20,825,00	\$3,057.00	\$2,400.00
State Fiscal Year 2005-2006	898	750	696	101	\$0.00	\$21,469.00	\$3,129.00	\$2,500.00
State Fiscal Year 2006-2007	916	753	679	71	\$0.00	\$22,305.00	\$3,547.00	\$2,800.00
State Fiscal Year 2007-2008	920	785	698	71	\$0.00	\$22,305.00	\$3,870.00	\$3,100.00
State Fiscal Year 2008-2009	No Survey	_	-	_	40	-	-	-
State Fiscal Year 2009-2010	No Survey	-	-		¥	-	3	
State Fiscal Year 2010-2011	No Survey	-	-	≅	+5	-	~	240
State Fiscal Year 2011-2012	No Survey	-	-	-			-	-
State Fiscal Year 2012-2013	759	422	369	_	\$0.00	\$38,000.00	\$4,177.60	\$3,417.00

¹Fee Data Prior Year: Represents agencies who have not renewed their wastewater charges and therefore the most current wastewater charges were used.



CONNECTION FEES GROUPED BY POPULATION SERVED

Criteria	Reporting Connection Fee ²	Lowest	Highest	Average	Median
ALL FACILITIES RETURNING FORM ²	366	\$0.00	\$38,000.00	\$4.082.52	\$3,225.00
POPULATION UNDER 1,000	58	\$0.00	\$13,409.00		\$3,020.00
POPULATION 1,000 TO 9,999	109	\$0.00	\$16,023.82		\$3,430.00
POPULATION 10,000 TO 49,999	94	\$0.00	\$38,000.00		\$3,510.00
POPULATION 50,000 TO 99,999	45	\$0.00	\$15,200.00	\$3,273.60	\$2,680.00
POPULATION 100,000 TO 499,999	45	\$0.00	\$21,584.00		\$5,152.53
POPULATION 500,000 AND OVER	15	\$9.31	\$10,000.00	\$3,440.10	\$2,175.00
		*	,	7 -,	4 -,
CONNECTION FEE INCLUDES DEBT SERVICE ³	153	\$0.00	\$38,000.00	\$3,944.16	\$3,313.25
POPULATION UNDER 1,000	7	\$0.00	\$13,409.00	\$3,601.37	\$3,204.50
POPULATION 1,000 TO 9,999	22	\$0.00	\$16,023.82		\$3,422.00
POPULATION 10,000 TO 49,999	50	\$0.00	\$38,000.00	\$4,495.43	\$3,500.00
POPULATION 50,000 TO 99,999	31	\$0.00	\$7,498.48	\$2,625.61	\$2,660.00
POPULATION 100,000 TO 499,999	30	\$0.00	\$14,242.00	\$5,687.61	\$5,448.00
POPULATION 500,000 AND OVER	13	\$9.31	\$7,860.00	\$3,123.20	\$2,175.00
CONNECTION FEE DOES NOT INCLUDE DEBT SERVICE ³	211	\$0.00	\$21,584.00	\$5,515.05	\$3,986.68
POPULATION UNDER 1,000	49	\$0.00	\$10,264.00	\$3,357.97	\$2,520.00
POPULATION 1,000 TO 9,999	87	\$0.00	\$15,273.00	\$3,976.30	\$3,870.50
POPULATION 10,000 TO 49,999	43	\$0.00	\$17,809.00	\$4,823.81	\$3,690.00
POPULATION 50,000 TO 99,999	14	\$237.00	\$15,200.00	\$5,276.46	\$4,650.00
POPULATION 100,000 TO 499,999	16	\$0.00	\$21,584.00	\$5,655.73	\$4,102.86
POPULATION 500,000 AND OVER	2	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00

²Excludes agencies not reporting fixed charge and/or population

CONNECTION FEES GROUPED BY LEVEL OF TREATMENT

·					
	Reporting				
	Connection	Lowest	Highest	Average	Median
Criteria	Fee				
ALL FACILITIES RETURNING FORM ⁴	237	\$0.00	\$38,000.00	\$4,051.14	\$3,259.00
SEPTIC TANK(S)	0	N/A	N/A	N/A	N/A
PRIMARY TREATMENT	38	\$0.00	\$16,023.82	\$4,569.16	\$3,259.00
PRIMARY WITH DISINFECTION	8	\$535.00	\$5,000.00	\$2,801.43	\$3,191.50
SECONDARY TREATMENT	30	\$0.00	\$16,955.05	\$3,546.98	\$3,605.00
SECONDARY WITH DISINFECTION	44	\$500.00	\$15,520.00	\$4,803.58	\$4,450.00
SECONDARY WITH NUTRIENT REMOVAL	25	\$0.00	\$38,000.00	\$5,230.78	\$3,389.00
TERTIARY TREATMENT	48	\$0.00	\$14,242.00	\$3,512.75	\$2,912.50
TERTIARY WITH NUTRIENT REMOVAL	44	\$21.58	\$21,584.00	\$3,893.27	\$3,000.00
CONNECTION FEE INCLUDES DEBT SERVICE ⁵	175	\$0.00	\$38,000.00	\$4,141.65	\$3,882.00
SEPTIC TANK(S)	0	N/A	N/A	N/A	N/A
PRIMARY TREATMENT	25	\$0.00	\$16,023.82	\$4,945.23	\$3,882.00
PRIMARY WITH DISINFECTION	7	\$535.00	\$5,000.00	\$2,974.00	\$3,383.00
SECONDARY TREATMENT	13	\$9.31	\$13,409.00	\$3,295.66	\$4,055.00
SECONDARY WITH DISINFECTION	31	\$500.00	\$15,520.00	\$4,702.11	\$4,400.00
SECONDARY WITH NUTRIENT REMOVAL	18	\$0.00	\$38,000.00	\$6,030.14	\$3,920.00
TERTIARY TREATMENT	43	\$0.00	\$14,242.00	\$3,535.86	\$3,039.00
TERTIARY WITH NUTRIENT REMOVAL	38	\$21.58	\$9,391.00	\$3,508.58	\$2,957.50
CONNECTION FEE DOES NOT INCLUDE DEBT SERVICE ⁵	62	\$0.00	\$21,584.00	\$3,863.29	\$2,940.00
SEPTIC TANK(S)	0	N/A	N/A	N/A	N/A
PRIMARY TREATMENT	13	\$63.00	\$15,273.00	\$3.845.93	\$2,940.00
PRIMARY WITH DISINFECTION	1	\$1,593.45	\$1,593.45	\$1,593.45	\$1,593.45
SECONDARY TREATMENT	17	\$0.00	\$16,955.05	\$3,739.16	\$3,252.00
SECONDARY WITH DISINFECTION	13	\$500.00	\$10,264.00	\$5,045.54	\$6,500.00
SECONDARY WITH NUTRIENT REMOVAL	7	\$0.00	\$8,057.00	\$3,175.29	\$1,798.00
TERTIARY TREATMENT	5	\$0.00	\$8,164.00	\$3,314.00	\$2,330.00
TERTIARY WITH NUTRIENT REMOVAL	6	\$500.00	\$21,584.00	\$6,329.67	\$4,225.00

⁴Excludes agencies not reporting fixed charge and/or level of treatment.

³Excludes agencies not reporting fixed charge, loading, and/or population

⁵Excludes agencies not reporting fixed charge, loading, and/or level of treatment

CONNECTION	FEES	GROUPED	BY	COUNTY

	User	User	Reporting	•			
	Areas	Areas	Connection	Lowest	Highest	Average	Median
County	Surveyed	Reporting	Fee				
ALAMEDA	16	10	9	\$325.00	\$7,248.50	\$3,153.94	\$3,417.00
ALPINE	3	2	2	\$2,520.00			
AMADOR	9	5	5	\$2,119.00			
BUTTE CALAVERAS	11	4	2	\$3,000.00			
CALAVERAS	6	3	2	\$1,505.00	\$3,000.00	\$2,252.50	\$2,252.50
COLUSA	4	2	2	\$1,200.00	\$6,190.00	\$3,695.00	\$3,695.00
CONTRA COSTA	20	13	10	\$1,500.00			
DEL NORTE	3	1	1	\$4,400.00			
EL DORADO	3	0	0	-	×	3	
FRESNO	25	15	14	\$0.00	\$7,498.48	\$3,011.20	\$3,916.00
GLENN	5	3	3	\$2,300.00	\$6,000.00	\$3,746.67	E2 040 00
HUMBOLDT	19	9	9	\$846.72	\$38,000.00		
IMPERIAL	12	4	3	\$535.00	\$4,196.00		
INYO	5	3	3	\$1,200.00			
KERN	29	17	14	\$0.00	\$7,300.00	\$2,399.48	
KINGS	7	2	2	\$1,593.45		\$3,271.23	\$3,271.23
LAKE	4	2	2	\$0.00	\$15,520.00		
LASSEN	5	5	4	\$460.28	\$16,023.82		
LOS ANGELES MADERA	91	42	36	\$0.00	\$12,560.00		\$5,056.50
MADERA	3	1	1	\$4,124.00	\$4,124.00	\$4,124.00	\$4,124.00
MARIN	20	13	11	\$625.00	\$10,264.00	\$4,595.88	\$4,844.73
MARIPOSA	2	1	1	\$1,072.00	\$1,072.00	\$1,072.00	\$1,072.00
MENDOCINO	15	7	7	\$0.00	\$8,332.00	\$2,866.57	\$2,523.00
MERCED	16	8	6	\$237.00	\$7,600.00	\$2,889.79	\$2,427.50
MODOC	4	1	1	\$4,430.00	\$4,430.00	\$4,430.00	\$4,430.00
MONO	4	4		eo oo	# 0.00	#0.00	# 0.00
MONTEREY	4 14	1 10	1 10	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00
NAPA	9	5	4	\$0.00 \$1.70	\$14,242.00 \$7,000.00	\$5,197.27 \$4,217.43	\$5,931.00 \$4,934.00
NEVADA	10	9	8	\$220.00	\$4,265.00	\$2,091.75	\$1,750.00
ORANGE	29	16	14	\$115.00	\$8,085.00	\$4,080.37	\$4,059.00
							• •
PLACER	14	13	13	\$115.07	\$8,164.00	\$3,018.43	\$2,850.00
PLUMAS RIVERSIDE	12	3	2	\$2,350.00	\$8,562.00	\$5,456.00	\$5,456.00
SACRAMENTO	28 7	17 5	13 4	\$0.00	\$7,800.00	\$4,641.26	\$4,500.00
SAN BENITO	4	2	2	\$500.00 \$1,300.00	\$8,179.00 \$1,800.00	\$3,099.00 \$1,550.00	\$1,858.50 \$1,550.00
	·	-	-	Ψ1,000.00	Ψ1,000.00	ψ1,000.00	ψ1,000.00
SAN BERNARDINO	32	17	15	\$125.00	\$17,809.00	\$5,362.00	\$4,310.00
SAN DIEGO	38	19	18	\$0.00	\$15,200.00	\$4,697.39	\$3,270.50
SAN FRANCISCO	1	1	0		3.97	-	
SAN JOAQUIN	11	5	5	\$190.00	\$16,955.05	\$4,099.61	\$1,000.00
SAN LUIS OBISPO	20	15	12	\$500.00	\$15,840.00	\$5,465.46	\$4,496.00
SAN MATEO	20	12	10	\$108.00	\$10,586.92	\$5 463 69	\$4,530.00
SANTA BARBARA	21	11	10	\$32.50	\$9,146.00	\$4,220.35	\$4,248.50
SANTA CLARA	17	7	6	\$45.92	\$3,767.00	\$1,645.56	\$1,265.46
SANTA CRUZ	5	1	1	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
SHASTA	7	3	3	\$500.00	\$8,105.00	\$4,335.00	\$4,400.00
SIERRA	4	4	4	P2 004 00	#0.004.00	PO 004 00	#0.004.pp
SISKIYOU	1 17	1 9	1 6	\$2,991.00 \$500.00	\$2,991.00 \$8,815.00	\$2,991.00 \$3,882.74	\$2,991.00
SOLANO	6	3	3	\$40.00	\$5,549.00	\$3,564.68	\$3,239.73 \$5,105.05
SONOMA	12	15	11	\$26.49	\$5,262.00	\$2,186.32	\$1,700.00
STANISLAUS	16	14	13	\$715.00	\$15,740.00	\$4,329.46	\$2,339.00
CUTTED		_	_				
SUTTER TEHAMA	4	2	2	\$500.00	\$2,915.00	\$1,707.50	\$1,707.50
TEHAMA TRINITY	6 1	2 1	2	\$1,500.00	\$2,330.00	\$1,915.00	\$1,915.00
TULARE	25	15	1 15	\$10,352.00 \$0.00	1 1		\$10,352.00 \$4,500.00
TUOLUMNE	5	4	4	\$1,304.27	\$13,409.00 \$8,050.80	\$4,621.03 \$4,210.02	\$4,500.00 \$3,742.50
					,	, .,	, -,
VENTURA	15	7	6	\$2,500.00	\$21,584.00	\$6,745.67	\$4,195.00
YOLO YUBA	7	2	2	\$500.00	\$1,725.00	\$1,112.50	\$1,112.50
	4	2	2	\$4,374.00	\$6,148.00	\$5,261.00	\$5,261.00
STATEWIDE	759	422	369	\$0	\$38,000	\$3,858	\$3,500

	1		_	I	4			Т	_	Servic	a Provi	Ided	_	Ta .	_
Agencies (alphs sort)	Population	n Waler Use	Monthly User Fee	Connection Fee (per connection)	Source of Revenue: Sewer service charge (%)	BOD/89 Loading	Debit Ind.	Trealment Level	Collection	Antenneptor	T	Disposed	Current ADWF (mgd)	Current Design Flow (mgd)	CIP
Adelanto Public Utility Authority	6,545	Flat Rate	\$61.06		90	No	Yes	Tertlary	×	×	x	×	2	4	No
Airport Larkfield Wikiup Sanitation Zone Albany, City of	11,502 18,000	Flat Rate Variable	\$57.50 \$37.25		100 94	Yes No	Yes Yes	Tertiary No Treatment Process	X		×	x	0,49 1.2	0.9	Yes No
Almonte Sanitary District	1,400	Fiet Rate	\$33.33		77	Yes	No	No Treatment Process					0.13	0.2	No
Afto Senitary District Amador City, City of	100,000	Flat Rate Flat Rate	\$41.67 \$52.00		80	No No	No No	No Trestment Process No Trestment Process	X X	х			0.2 0.012	0.039	No No
Amador Regional Sanitalion Authority	4,500	Flat Rate		\$6,130,60		No	No	No Treatment Process					0.266	0.5	No
American Canyon, City of Anahaim, City of	19,500 341,000	Flat Rate Flat Rate	\$45.70 \$5.04		90.02 100	Yes No	Yes Yes	Terliary w/ Nutrient Removal No Treatment Process	X		X	X	1.6	25	Yes No
Anderson, City of	9,900	Variable	\$29,17	\$8,105.00	99	Yes	Yes	Tertiary	X		x	X	1.15	2	Yes
Angels, City of Arbuckle Public Utility District	3,836 2,600	Flet Rate Flet Rate	\$71,92 \$15.00		95	No No	No No	Tertiary w/ Nuirient Removel Primary	X	×	X	X	0.35 0.241	0.6 0.5	No No
Arcate, City of Arrowbear Park County Water District	16,800 900	Veriable Flat Rate	38-64 \$29.00		95.7 76	Yes	2eY	Secondary w/ Disinfection	X	×	x	x	1.162	2.3	Yes
Arvin, City of	19,000	Flat Rate	\$37,50		75 96	No Yes	Yes Yes	No Treatment Process No Treatment Process	X		х	41	0.065 1.25	0.7 5 2	No No
Auburn, City of Bekerssield, City of	13,330 325,964	Flat Rate Flat Rate	\$73,51 \$17,08	\$350.00 \$7,260.00	93 83	No Yes	Yes Yes	Tertiary w/ Nutrient Removal Tertiary w/ Nutrient Removal	X		X	X	1.25 32	1.67 52	Yes No
Benning, City of	29,600	Flat Rate	\$17.11		85	Yes	aeY	Secondary	x		x	x	2.1	3.6	No
Beratow, City of Bayshore Senitery District	73,400 10,000	Flat Rate Variable	\$56.25	\$1,500.00 \$4,460.00	NA Unknows	Yes Yes	No Na	Secondary No Treatment Process	X	к	*	*	2.1 2.9	4.5 5	No No
Beer Velley Water District	4,000	Flat Rate	\$459.00	\$4,100.00	95.66	Nρ	Yes	Primary w/ Disinfection	x		х	x	0.0057	0.05	No
Belmont, City of Benicie, City of	26,147 28,000	Variable Flat Rate	\$67.25 \$45.88	\$8,179.00 \$5,549.00	99.8 96	No Yes	Yes	No Treatment Process Secondary w/ Disinfection	X		10	х	1.7 2.3	11.8 4.5	No Yes
Beverly Hills, City of	35,000	Flet Rate	\$43.69	\$10,519.00	98	Yes	Yes	No Treatment Process	×				6		Yes
Biggs, City of Eishop, City of	1,700 3,879	Flat Rate Flat Rate	\$27.12 \$27.58	\$3,498.00	99 99	No No	Yea No	Secondary w/ Disinfection Primary	X	×	X	x	0.375 0.7	0.5 1.6	No No
Blyfne Regional Wastewater Reclamation Facilities	10	Flat Rate	\$43.09	\$4,090.00	99	No	Yes	No Treatment Process				x	1.1	2.4	No
Borlega Bay Public Utility District Boron Community Services District	2,625 2,000	Varieble Flat Rate	\$50.04 \$14.00	\$1,232.00	100 21	No Na	Yes No	Tertiory Primery	X		X	×	0.135	0.432	No No
Boronde County Senitation District Borrago Weter District	1,710 800	Flat Rate Flat Rate	\$23.17 \$35.36	\$8,221.00 \$2,500.00	100	No	Yes	No Treatment Process	×						Na
Bree, City of	40,932	Flat Rate	\$7.68	\$8,016.00	58	No No	No No	Secondary No Treatment Process	X		*		0.08 0.55	0.25	No Yes
Breatwood, City of Brisbane, City of	53,000 4,282	Veriable Veriable	\$42.24 \$53.50	\$3,000.00 \$4,600.00	97 99	No Yes	Yes Yes	Tertiery w/ Nutrient Removal	х	x	x	x	3.4	5 6.7	No No
Buellion, City of	4,878	Flat Rate	\$21.00	\$3,252.00	98	No	No	No Treatment Process Secondary	×		х	160	0.101 0.475	0.6	No
Buena Perk, City of Burbank Public Works, City of	81,747 104,000	Varieble Fiet Rala	\$22.34	\$237.00 \$21.58	11 98	No Yes	No Yes	No Treatment Process Tertiery w/ Nutrient Removal	x		x		7.96 8,5	6.62 12.5	Yes No
Burlingame, City of	28,000			\$9,200.00			No	Secondary w/ Nutrient Removal			^		0,3	12.5	No
Burney Water District Calaversa County Water District	3,154 12,000	Variable Flat Rate	\$20.40 \$33.75	\$4,400.00 \$1,505.60	85 44	No No	Na Yes	Secondary Tertiory	X		X	x	0.883	0.44 1.958	No Yes
Calif Pines CSD	300	Flat Rate	\$38.00	\$4,430.00	75	No	No	Secondary	Х		•	х	0.025	0.35	No
California City, City of Camerillo Senitary District	13,100 46,000	Variable Flat Rate	\$23,62 \$38,68	\$1,000.00 \$4,390.00	99 97.7	Yes Yes	Yes Yes	Tertiary Tertiary w/ Nutrient Removal	X	х	X	X	0.528 3.81	1.5 7.25	No No
Carmel Area Westerreter District	11,000	Fiat Rala	\$34,76	\$100.00	74.2	Yes	Yes	Tertiary	X	•	X	x	1.5	3	Yes
Caruthers Community Services District Casa De Amigos MHP	2,497 200	Flat Rate	\$35,00	\$3,882.00 \$7,248.50	98 0	No No	SeY No	Primary Primary	X		x	X	160	280 0.0192	No No
Casper South Water District Castro Valley Sanitary District	160 56,000	Flat Rate	\$75.00 \$21.67	\$0.00	100	No	No	Printery	100		183	38.1	0.0032	8	No
Cayuoos Sanitary District	3,400	Flat Rate Flat Rate	\$52.00	\$965,00 \$4,000.00	99 68	Yes No	No Yes	No Treatment Process No Treatment Process	X				3.74 0.26	5 0.7	Yes No
Central Marin Sanitation Agency Ceres, City of	120,000	Flat Rate	\$49.42	\$6,444.00	91.9 95	No	Yes	Secondary w/ Disinfection	Ü		Х	X	6.1	10	Yes
Chennel Islands Beach CSD	45,854 5,600	Flat Rate Flat Rate	\$41.52	\$715,00 \$4,000,00	98	Yes No	Yes Yes	Primary No Treatment Process	×			X	2.63 0.38	4.2 1.8	No No
Chester Public Utility District Chowohilts, City of	2,144 11,127	Flat Rate Flat Rate	\$38.05 \$20.60	\$8,562.00 \$4,124.00	па 99	Yes No	No Yes	Secondary w/ Disinfection Secondary	X	x	X	x	0.75 0.91	0.75 1.8	No No
Circle Oaks County Water District	500	Variable	\$52.15	\$3,958.00	30	No	No	Primary	x	X	X	X	0.03	0.072	No
Clovis, City of Coachella Valley Water District	98,611 270,000	Flat Rate Flat Rate	\$26.44 \$24.50	\$5,452.00 \$0.00	87.2 79	Yes Yes	Yes	Tertlary w/ Nuirlent Removal Tertlary	×	X	X	X	7 17.5	12.1 33.5	Yes Yes
Coalings, City of	14,000	Flat Rate	\$15.68	\$0.00	0	No	Yes	Primary	x	x	x	x	0.9	1.35	No
Callex, City of Calton, City of	1,973 52,940	Flat Rate Flat Rate	\$96.48 \$32.78	\$5,300.00 \$4,444.00	50 88	No Yes	Yes Yes	Tertiary w/ Nutrient Removal Secondary w/ Nutrient Removal	X		X	x	0,275 5,1	0,5 10,4	Yes No
Concord, City of	133,000	Flat Rate	\$27.00	\$9,055.00	99	No	No	No Treatment Process	x	х			10.07	13,38	Yes
Consolidated Sewer Maintenance District Contra Costs County Public Works	2,000,000 118	Flat Rate Flat Rate	\$3.71 \$162.50	\$10,000.00 \$1,500.00	100 100	No No	No No	No Treatment Process Secondary w/ Disinfection	x		x	x	200 0.009	0.014	No No
Conty of Kern CSA 71.2 Coming, City of	750 7,663	Flat Rata Flat Rata	\$17.50	\$1,500.00	100 99	No	No	No Treatment Process	0				0.066	0.1	No
Corona, City of	155,896	Variable	\$44.71	\$4,700.00	90.7	No Yes	Yes Yes	Secondary w/ Disinfection Tertiary w/ Nutrient Removal	x		x	х	0.7 14.3	1.4 15.5	No Yes
Costs Mesa Senilary District County of Kern CSA 71.1	116,700 400	Flat Rate Flat Rate	\$17,50	\$2,239.00 \$3,100.00	97 100	Yes No	No No	No Treatment Process No Treatment Process	х			X	10.1 0.038	17.5 0.036	No No
County of Kern CSA-11,4	2,400	Flat Rate	\$18.33	\$7,300.00	100	No	No	No Treatment Process	X					0.212	No
County of Kern CSA-71.3 County Sanitation District No. 1 of Los Angeles County	2,250 566,108	Flat Rate Flat Rate	\$17.50 \$13.00	\$0,00 \$7,700.00	100 71	No Yeв	No Yes	No Treatment Process Tertlary	x	X	x	х	0.205 55.7	3 84.7	No No
County Sanitation District No. 2 of Los Angeles County	686,409	Flat Rate	\$12.42	\$4,844.73	68	Yes	Yes	Tertlary		x	×	х	55.7	84.7	No
County Sanitation District No. 3 of Los Angeles County County Sanitation District No. 4 of Los Angeles County	503,422 35,281	Flat Rate Flat Rate	\$12.67 \$12.50	\$2,175.00	74 74	Yes Yes	Yes Yes	Tertiary No Treatment Process		X	X	X	55.7 1.5	84.7	No No
County Sunitation District No. 5 of Los Angeles County	736,189	Flat Rate	\$11.17	\$950.00	64	Yes	Yes	Tertiary		х	x	x	55,7	84.7	No
County Sanitation District No. 8 of Los Angeles County County Sanitation District No. 9 of Los Angeles County	139,524 2,428	Flat Rete Flat Rate	\$11.92 \$6.50	\$7,000.00 \$5,485.00	41 43	Yes Yes	Yes Yes	Tertiery No Treatment Process		x	х	X	55,7 0.221	84,7	Na No
County Semitation District No. 14 of Los Angeles County County Semitation District No. 15 of Los Angeles County	194,066 580,064	Flat Rate Flat Rata	\$37.33	\$12,560.00	86	Yes	Yes	Tertiary		x	X	x	14.03	18	No
County Sanitation District No. 16 of Los Angeles County	264,392	Flet Rate	\$11.17 \$11.42	\$6,368.00 \$4,913.00	66 73	Yes Yes	Yes Yes	Tertiary Tertiary		X	x	X	55.7 55.7	84.7 84.7	No No
County Sanitation District No. 17 of Los Angeles County County Sanitation District No. 18 of Los Angeles County	56,415 337,157	Flat Rate Flat Rate	\$11.50 \$12.50	\$2,786.00	75 69	Yes Yes	Yes Yes	Terliary Terliary		2.5	X	lite	55.7 55.7	84.7 84.7	No No
County Sanitation District No. 19 of Los Angeles County	90,667	Flat Rate	\$12.50	\$500.00	76	Yes	Yes	Terdary w/ Nutrient Removal		X	X	X	55.7	84.7	No
County Senitation District No. 20 of Los Angeles County County Senitation District No. 21 of Los Angeles County	125,155 405,673	Flat Rate Flat Rate	\$39.75 \$12.25	\$5,200.00 \$453.37	90 71	No Yes	Yes Yes	Tertlary Tertlary		X	x	×	9.23	12	No No
County Sanitation District No. 22 of Los Angeles County	327,555	Flat Rate	\$12.25	\$0.00	69	Yes	Yes	Tertlary			30	×			No
County Senitation District No. 23 of Los Angeles County County Senitation District No. 27 of Los Angeles County	112 2,269	Fiet Rate Flet Rate	\$9.67	\$4,062.40 \$8,786.00	12 0	Yes Yes	Yes Yes	Tertiary No Treatment Process		X	X	x	0.113		No No
County Senitation District No. 28 of Los Angeles County	11,299	Flat Rata	\$28.08	\$0.00	63	Yes	Yes	Teriory		х	Х	X	0.110		No
County Sanitation District No. 29 of Los Angeles County County Service Area No. 75 Chugler	11,072 1,190	Flat Rate Flat Rate	\$28.31 \$6.96	\$1,437.00 \$5,700.00	88 41	Yes No	Yes Yes	Tertiary No Treatment Process	x	•	X	X			No No
Covina, City of	49,600	Flat Rate	\$8.58	\$5,642.50	0.5	No	Νo	No Treatment Process		_				23.998	No
Crescent City, City of Crescenta Valley Water District	15,000 34,000	Flat Rate Flat Rate	\$84.32 \$29.75	\$4,400.00 \$7,174.00	97 99	Yes Yes	Yes No	Secondary w/ Disinfection No Treatment Process	x	X	X	×	1.2 1.587	1.86 4.5	No No
Creatine Sanitation District Crockett Senitary Department	5,000 3,094	Flat Rate Flat Rate	\$71.90 \$52.67	\$7,000.00 \$7,840.00	66 69.76	No	No	Secondary w/ Nutrient Removal	х	X	*		0,5	1.4	No
CSA 28 Zone 173 - Dry Creek	3,200	Flat Rate	\$38.14	\$3,791.00	90	No No	Yes No	No Treatment Process No Treatment Process	X				0.2547 0.17	0.3	Na Na
CSA 28 Zone 24 - Applegate CSA 28 Zone 2A3- Sunset Whitney	65 0	Flat Rate	\$82.00	\$1,000.00 \$5,441.00	98 96	No No	No No	No Treatment Process No Treatment Process	x				0.01 0.17		Na No
CSA 28 Zone 55- Livoti	650	Flat Rate	\$38.64	\$201.56	97	No	No	No Treatment Process	x				0.05		No
CSA 28 Zone 6 - Sheridan Cucamonga Valley Water District	650 139,000	Flat Rate Flat Rate	\$89.12 \$17.92	\$500.00 \$3,300.00	95 97,54	No Yes	No No	Secondary w/ Disinfection No Treatment Process	x		x	x	0.05 12.5		No Yes
Culver City	38,000	Varlable	\$26.33	\$11,999.00		Yes	No	No Treatment Process	X				3,5	4	Yes
Cutter Public Utility District	6,200	Flat Rate	\$33.40	\$2,075.00	100	No	Yeş	No Treatment Process					0.4	0.46	Na

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Agencies (alpha sort)	Population	Water Use	Monthly User Fee	Connection Fee (per connection)	Source of Revenue: Sever service charge (%)	BOO/89 Loading	Debt Incl.	Treatment Level	Collection	Interceptor pictor	Trestment ag	Disposal	Current ADWF (mgd)	Current Design Flow (mgd)	CIP
Davis WWTP, City of	66,000	Veriable	\$9.00	\$1,725.00	98.6	Yes	Yes	Secondary w/ Disinfection	X		x	х	4.25	7,5	No
Del Mer, City of Delta Diablo Sanîtalion District	4,194 189,000	Veriable Flat Rete	\$81.72 \$21.38	\$3,200.00 \$3,978.00	99.2 77	Yes No	Yes No	No Treatment Process Tertiary	X	4		х	0.554 12.7	0.8 16.5	No Yes
Denair Community Services District	4,710	Flat Rate	\$81.53	\$2,000.00	98	Na	No	No Treatment Process		x		^	0.384	0.82	No
Desert Lake Comm. Services District Devenshire County Sanitation District	600 2,587	Flat Rate Flat Rate	\$368.33 \$85.42	\$2,853.00	99.9 91	No No	No No	No Treatment Process No Treatment Process	X				0.047 n/a	n/a	No No
Dixon, City of	18,000	Variable	\$26.65	\$40.00	91	Yes	Yes	Secondary	×		i.		1.2	2.2	Yes
Donner Summit PUD	98	Flat Rate	\$183.33	\$1,500.00	66	No	Yes	Tertiary w/ Nutrient Removal	X	х	X	x	0.22	0.52	No
Dorris, City of Dublin San Ramon Services District	860 67,664	Flat Rate Flat Rate	\$18.25 \$29.62	\$814.00 \$3,417.00	10 57.4	No Yes	No Yes	Primary No Treatment Process	- X		х	x	0.075 10.87	0.12 17	No Yes
Dunsmuir, City of	1,576	Flat Rate	\$40.08		98	Yes	Yes	Tertiary				х	0.25	2	No
E Orosi CSD Earlimant Public Utility District	530 6,600	Flat Rate Flat Rate	\$39.85 \$14.25	\$7,200.00 \$5,258.00	69.92 100	No No	Yes Yes	No Treatment Process Primary	X	x	×	х	0.711	0.907	No No
East Bay Municipal Utility District	650,000	Variable	\$16.28	\$4,500.00	56.3	Yes	Yes	Secondary w/ Disinfection	^	x	X	X	70	320	Yes
East Niles Community Services District East Valley Water District	26,000 67,000	Flat Rate Flat Rate	\$29.53 \$15.36	\$697.70 \$2,640.00	100 97.3	Yes No	No Yes	No Treatment Process No Treatment Process	×				2.98 6.5	3.19 17	No Yes
Eastern Sierra Community Service District	7,533	Flat Rate	\$8.50	\$1,200.00	99	No	No	Secondary	X	X	x	x	0.68	0.85	No
East Bay Dischargers Authority	900,000	Class Flat	\$47.10	\$1,000.00	99	No	No	No Treatment Process	100	-	_	X	72.3	107.8	No No
El Centro, City of El Paso de Robles, City of	42,000 36,000	Flat Rate Variable	\$31.50	\$4,196.00 \$1,662.50	90	No No	Yes Yes	Secondary w/ Disinfection Secondary w/ Disinfection	300)(i)	X	X	3.8 2.9	8 4.9	No
El Toro Water District	48,426	Flat Rate	\$17.77	\$4,000.00	100	Yes	Yes	Secondary w/ Disinfection	X		x	X	3.9	5.4	No
Empire Senitary District Enointies - Cerdiff Senitery Division, City of	1,500 19,500	Flat Rate Variable	\$35.75 \$54.30	\$2,100.00 \$11,957.00	100 96	No Yes	No Yes	No Treatment Process No Treatment Process	X				1.304		No Yes
Encinitas-Encinitas Sanitary Division, City of	16,500	Variable	\$48.27	\$2,000.00	96	No	Yes	No Treatment Process	×				5.1	1.8	Yes
Fallbrook Public Utility District Fieldbrook Glendale Community Service District	23,000 400	Variable Flat Rale	\$48.00 \$85.00	\$10,275.00 \$2,523.00	100	Yes No	Yes	Tertlary No Treatment Process	x		x	x	1.69 0.032	2.7 0.071	No No
Fillmore, City of	15,145	Flat Rate	\$86,99		96	Yes	Yes	Tertiary w/ Nulriant Removal	x	x	j.		1	1.8	No
Firebaugh, City of Folsom, City of	1,688 72,203	Flat Rate Flat Rate	\$16.15	\$5,228.00 \$8,179.00	99	No No	No No	Primary No Treatment Process	X		X	X	0.593 B	1.5	No Yes
Fort Bragg, City of	5,614	Variable	\$37,75	\$3,000.00	94	Yes	Yes	Secondary w/ Disinfection	×	x	x	x	0.65	1	No
Fortuna Municipal WWTP, City of	11,000	Variable	40.75	\$38,000.00	97	No	Yes	Secondary w/ Nutrient Removal	18	x	15	3	1.5	1.5	No Yes
Fountain Valley, City of Fresno - Wastewater Management, City of	55,000 598,732	Flat Rate Flat Rate	\$2.75 \$25.75	\$2,000.00 \$9.31	100 88	No Yes	No Yes	No Treatment Process Secondary	X		x	x	6 62.98	80	No.
Garberville Sanltary District	734	Variable	\$51.58	\$5,000.00	96.5	Yes	Yes	Primary w/ Disinfection	x		x	x	0.054	0.162	No
Garden Grove Sanitary District Gardena: City of	180,000 60,000	Variable Variable	\$25.84	\$4,118.00	74	No No	Yes No	No Treatment Process No Treatment Process	.00 X				25.1		Yes No
Geyserville Sanitation Zone	1,009	Flat Rate	\$69.75	\$950.00	100	Yes	Yes	Secondary w/ Disinfection	×				0.045	0.092	Yes
Gliroy, City of Glendale, City of	90,000 200,000	Flat Rate Variable	\$108.00	\$500.00 \$10,148.00	92 98	Yes Yes	Yes No	No Treatment Process No Treatment Process	X	x	X	X	6.23 15	8.5	No No
Golden Valley Municipal Water District	200	Flat Rate	\$145.00	\$63.00	100	No	No	Primary	x		x	x	0.015	0.6	No
Goleta West Sanitary District	33,000 12,000	Flat Rate Flat Rate	\$14.00 \$55.00	\$4,851.00	48.4 99	Yes No	No Yes	No Treatment Process	×				1.53 1.43	3.11 2.78	No No
Grass Valley, City of Graton Community Service District	1,500	Flat Rate	\$131.20	\$2,000.00	100	Yes	Yes	Tertiary w/ Nutrient Removal Tertiary w/ Nutrient Removal			X	X	0.14	0.85	Yes
Grayson Community Services District	1,077	Flat Rate	\$22.00	\$7,032.00	100	Nο	Yes	Primary	X	90	200		0.1	0.1	No
Greenfield, City of Groveland Community Services District	17,896	Flat Rata Flat Rata	\$20.07 \$53.10	\$6,182.00 \$8,050.80	58	No No	Yes No	Primary Secondary w/ Disinfection	X	X	X	X	1.08 0.165	2 0.4	No No
Gustala Community Services District	550	Flat Rate	\$57.00	\$1,211.00	77	No	Yes	Tertiary		200	œ	1.7	0.085	0.131	No
Hamilton City Community Service District Hanford, City of	2,100 54,000	Flat Rate Flat Rate	\$20.92 \$22.90	\$2,940.00 \$4,949.00	91 0	No aeY	No Yes	Primary Secondary w/ Nutrient Removal	Х		x	x	0.2 4.8	0.5 8	No No
Happy Camp Sanitary District	700	Flat Rate	\$20.00	\$8,815.00	80	No	Yes	Primary	x		x	^	0.067	0.147	No
Hayward, City of Humboldt Community Service District	145,000 20,000	Flat Rate Variable	\$13.64 \$38.18	\$8,200.00 \$846.72	89 94	Yes Yes	Yes Yes	Secondary w/ Disinfection No Treatment Process	36			9	12.5 0.86	18.5 1.6	Yes Yes
Healdsburg, City of	11,254	Variable	\$78.00	\$2,500.00	98	Yes	Yes	Tertlary w/ Nutrient Removal	x	×	ol.	0.6	0.98	1.4	No
Healther Glen, CSD	80	Martin.	\$8.00	\$3,979.00	100	No	No	No Trealment Process	X			20	0.01	0.06	No Yes
Hemal, City of Heritage Ranch CSD	23,212 3,200	Variable Flat Rate	\$7.52 \$23.72	\$3,357.00 \$6,500.00	0 74	No No	Yes No	No Treatment Process Secondary w/ Disinfection	X		4	W.	0.18	0.4	No
Hasperia, City of	18,145	Flat Rate	\$50.56	\$17,809.00	84	No	No	No Treatment Process	x				2	4.8	No
Hidden Valley Lake CSD Hilmer County Water District	7,000 4,850	Flat Rate Flat Rate	\$50.18 \$25.95	\$0.00 \$7,600,00	50 95	No No	Yes Yes	Tertiory Primery	X	X	3	8	0.2 0.35	0.894	No No
Hollisler, City of	35,500	Flat Rate	85A	\$1,300.00	93	Yes	Yes	Tertiary w/ Nutrient Removal	*	10	1		2.1	5	No
Hollville, City of Home Gardens Sanitary District	6,032 11,570	Flat Rate	\$49,32 \$16,00	\$3,357,00 \$7,500.00	93 57	No No	Yes	Tertiery No Treatment Process	1		4		0,65 0,593	0,85 0,82	No No
Huron, City of	6,767	Flat Rate	\$26.00	\$140.00	99.87	No	Yes	Primary	¥		a.	1	0.5	1	No
ldyllwiid Water District, CA Inland Empire Utilities Agency	500 830,000	Variable Flat Rate	\$13.03	\$4,133.00 \$125.00	50 49	No Yes	Na Yes	No Treatment Process Tertiary	x	X X	9	¥.	0.089 52.7	0.25 84.4	2eY 2eY
Ironhouse Sanitary District	38,000	Flat Rate	\$51.33	\$120,00	81	Yes	Yes	No Treatment Process	X	X	9	9	2.6	4.3	No
Irvine Ranch Water District	330,000	Flat Rate	\$17.20	60 5 44 60	75	Yes	No	Terliary w/ Nutrient Removal	X	x	0		18	18	Yes
Ivanhoe Public Utility District Jackson, City of	4,500 4,600	Flat Rate Flat Rate	\$16.40 \$29.35	\$5,744.00 \$7,331.00	94	No No	No Yes	Secondary Tertary w/ Nutrient Removal	х		9	39L	0.60	0.53 0.71	No No
Jamestown Sanitary District	3,000	Flat Rate	\$41.05	\$1,304.27	100	No	No	Secondary w/ Disinfection	×		9		0.18	0.23	No
June Lake Public Utility District Jurupa Community Services District	350 107,000	Flat Rate Varieble	\$24.24	\$0.00 \$7,800.00	95 85	No Yes	No Yes	Secondary No Treatment Process	X			X	0.175 7.5	10.74	No No
Kem Sanilation Authority	45,000	Flat Rate	\$12.92	\$200.00	78	Yes	Yes	Secondary	х	к	х	x	3.5	6.2	No
Keyes Community Services District King City, City of	6,000 11,500	Variable Flat Rate	\$49.31 \$50.00	\$1,182.00 \$750.00	54	No No	No Yes	No Treatment Process Secondary	X-	Х	x	х	NA 0,0085	NA 1.2	No No
La Mesa, City of	59,000	Variable	\$3,10	\$2,788,00	2	Yes	Yes	No Treatment Process	8		•	^	4.B2	6,634	Yes
Laguna Beach, City of Lake Berryessa Resort Improvement District	18,000 500	Flat Rata Flat Rate	\$45.17 \$198.00	\$7,000.00	90 90	Yen No	Yes Yes	No Treatment Process No Treatment Process	x		x	x	0.02		No
Lake County Sanilation District	29,349	Flat Rate	\$26.00	\$15,520.00	89	No	Yes	Tertiary	x		X	X	3.53	11.7	No
Lake Hemet Municipal Water District Lake Orovitle Area Public Utility District	50,000 12,000	Flat Rate Flat Rate	\$4.07 \$19.88	\$5,700.00 \$3,000.00	100 63	No No	No Yes	No Treatment Process No Treatment Process	×				1.3	2 0.9	No Yes
Lake Shastina Community Services District	2,800	Flat Rate	\$36.90	\$6,688.00	99.5	No	Yes	Primary	x		х	x	0.11	0.135	No
Lencaster, City of	125,000	Flat Rate	\$6.50	\$8,555.00	100	No	No	No Treatment Process	х				12	18	No
Las Gallinas Valley Senitary District Las Virgenes Municipal Water District	30,000 100,000	Flat Rate Flat Rate	\$53.50 \$54.28	\$1,650.00 \$2,711.00	85 95	Yes Yes	Yes Yes	Tertiary Tertiary w/ Nutrient Removal	X		X	Х	2.113 7.5	2.92 12	Yes Yes
Lassen County Waterworks District #1	350	Flat Rate	\$25.00	\$1,863,00	100	No	No	No Treatment Process	х		X	X	0.02	0.04	No
Lethrop, City of Leton Community Services District	18,316 1,300	Flat Rala Flat Rata	\$59,40 \$39.00	\$1,000,00 \$0.00	7 97	Na Na	No Yes	No Treatment Process Primary	x		x	x	0.373	0,966 0.2	Yes No
Leavitt Lake Community Services District	1,000	Flat Rate	\$37.01	\$16,023.82	97	No	Yes	No Treatment Process					0.02	0.096	No
Lalend Meadow Water District Lemon Cove Sanitary District	150	Flat Rate Flat Rate	\$100.00 \$9.00	\$16,955.05 \$2,044.00	100 90	No No	No No	Secondary Primary	x		×			0.015 0.016	No No
Lemon Grove, City of	25,000	Flat Rate	\$43.05	\$5,420.00	98	No	No	No Treatment Process	X		^	^	0.011 2.296	2.8	Yes
Lemoore, City of	24,531	Variable	\$27.70	\$1,593.45	75 80	Yes	No	Primary w/ Disinfection	X		х	х	1.8	2.5	Yes
Leucadia Wastewater District Lindasy, City of	60,000 11,500	Flat Rate	\$21.52 \$30.00	\$15,200.00 \$7,166.00	80 89	No Yes	No Yes	No Treatment Process Primary	X		x	x	4.01 0.9	2.24	Yes Yes
Live Oak, City of	8,407	Flet Rate	\$68.80	\$2,915,00	90	Yes	Yes	Tertiary w/ Nutrient Removal		X	X	X	0.5	1.4	No
Livermore, City of Lookeford Community Services District	80,968 2,750	Flat Rala Flat Rala	\$40.75	\$4,000.00 \$190.00	93.5 100	Yes No	Yes No	Tertiary Primary	X		x	X X	7,1 0.19	8.5 0.34	Yes No
Lodl, City of	63,500	Variable	\$50.40	\$250.00	97	Yes	Yes	Terlary w/ Nutrient Removal	x	х	x	x	5.2	6.5	No
Loteta CSD Lompoc Regional Wastewater Reclamation Plant	758 50,000	Flat Rate Variable	\$50.00	\$7,873.00 \$1,750.00	95 70	Yes Yes	No Yes	Secondary w/ Disinfection Tertiary w/ Nutrient Removal	X.		X		0.048	0.1 5.5	No Yes
Lone Pine Community Services District	2,000	Flat Rate	\$15.00	\$15,273.00	98	No	No	Primary	x	х	x	x	0.24	0.5	No
Long Beach Water Department, City of Los Afamos CSD	465,576 1,800	Variable Variable	\$56.70	\$7,336.20 \$2,475.00	76.5 98.7	No No	Yes No	No Treatment Process Primary	X X		х	x	0.225	0.4	Yeş No
Los Aitos, City of	33,000	Variable	\$33.33	gr _i 71 9.00	99	No	No	No Treatment Process	X		X	X	3		Yes

Note: Rates Bused on Single Family Dwelling

Agencies (alpha sort)	Population	Water Use	Monthly User Fee	Connection Fee (per connection)	Source of Revenue: Sener service charge (%)	BOD/98 Loading	Debt Ind,	Treatment Large	Collection		Tre sament Aug as	-	ADWIT (mgd)	Flow	n
Los Angelos Sanitation, City of	4,000,00				93	Yes	Yes	Tertiary w/ Nutrient Removal	Х	Х	×	х	368	580	_
Los Banos, City of Lost Hills Willly Disinict	36,546	Flat Rale			99	No	Yes	Primary	X		х		2.9	4	
Lost rails Grany Dismot Loyalton, City of	2,772 832	Flat Rate	\$23.00	\$3,000.00 \$2,991.00	20 100	No	Yes	Primary	X		х		0.155		
Madera, City of	61,850	Flut Rete	\$24.51		95	No Yes	Yes Yes	Primary Secondary	x	4	X		0.026 5.39		
Malaga County Water District	1,500	Flat Rate			95	No	Yes	Tertiary	x	X	X		0.65		
Maricopa, City of	708	Flat Rate			100	No	Yes	No Treatment Process	x	^	×	â	0.05		
Marin County Sanitary District No. 2	12,000	Flat Rate			56		No	No Treatment Process	X		~		. 1.1	8	
Mariposa Public Utility District	735	Flat Rate				No	No	Secondary w/ Nutrient Removal	l x		х		0.18		
Markleeville Public Utility District	200	Flat Rate			98	No	No	No Treatment Process	X		ж		28	48	
Marysville, City of	12,000	Flat Rate			99	Yes	Yes	Secondary	х		X	Х	1.2	1,5	
Maxwell PUD	390	Flat Rate	\$48.00		100	No	No	Secondary w/ Distrifection	Х				0.14		
Mo Cloud Community Services District McKinleyville CSD	1,100 14,998	Flat Rate Variable	\$12.B3	\$1,479,45	35	No	No	No Treatment Process	X			X	0.12		
Mendocino City Community Services District	3,500	Frat Rate			68 85	No No	Yes	Primary w/ Disinfection	X	X	Х	x	1.001		i
Mendocino County Weterworks Dietrict #2	150	Variable			100	Yes	No	Tertiary w/ Nutrient Removal No Treatment Process	X		X	X	0.08		
Mendota, City of	11,046	Veriable	\$10 I.H	\$4,347.00	100	No	Yes	Tertiary	- 0	¥	- A	X	0.75		9
Merced, City of	80,608	Flat Rate	\$40.29		93	Yes	Yes	Tertiary w/ Nulrient Removal	X	X	X	×	7.5	12	
Midway City Sanitary District	99,297	Flat Rate	\$7.25		84	No	Yes	No Treatment Process	x	^	-	•	6	18	
Midway Community Service District	332	Flat Rate		\$4,000.00	N/A	No	Yes	Na Treatment Process	X				0.0825		
Milipitas, City of	70,800	Fiat Rate			93.6	Yes	Yes	No Treatment Process	10				7,33	14.25	
Mission Springs Water District	15,500	Flat Rate			83	Yes	Yes	Secondary	X	×	x	×	1,48	2	
Modesto, City of	235,000	Flat Rate	\$28.67		91.8	Yes	Yes	Tertiary w/ Nulrient Removal	x		x	x	20.4	70	
Mojave Public Utility District	4,000	Flat Rate	\$11.68	\$4,445.00	15.5	No	No	No Treatment Process	x		x	^	0.36	0.6	
Monrovia, City of	40,000	Flat Rate	\$4.77	\$2,583,00	100	No	No	No Treatment Process	1				0,00	0.0	
Montara Water and Sanitary District	6,012	Variable		\$108.00	78	Yes	Yes	No Treatment Process	×				0,3	0.55	
Montecto Sanitary District	10,000	Flat Rate	\$90.00	\$5,000.00		Yes	Yes	Secondary w/ Disinfection	х		×		0.8	1.5	
Monterey, City of	27,000	Flat Rate	\$8.69	\$1,500.00	100	No	No	No Treatment Process	×				2	,,,,	
Monterey Park, City of	61,000	Variable	\$0.93	\$1,590.56	98	No	No	No Treatment Process					_		
Monterey Regional Water Pollution Control Agency (MRWPCA)	268,600	Flat Rate	\$27.00	\$14,242.00	87	Yes	Yes	Tertiary		×	x	x	18	29.6	
Morro Bay, City of	13,000	Variable	\$41.35	\$7,950.00	100	Yes	No	Secondary w/ Disinfection	x		X	x	1.1	2.06	
Moss Lending County Sanitation District	725	Flat Rate	\$44.25	\$0.00	68	No	Yes	No Treatment Process	X					0.105	
Moulton Niguel Weter District	165,000	Variable	\$67.00	\$8,085.00	19	No	Yes	No Treatment Process		0.0				22.71	
Mountain, City of	75,257	Flat Rate	\$24.25	\$45.92	100	Yes	Yes	No Treatment Process	×				7.7	15.1	
Mt. View Senitery District	18,253	Flat Rate	\$40.96	\$2,800.00	89	Yes	No	Secondary w/ Nutrient Removal	к		x	x	1.55	3.2	
Napa River Reclamation District	320	Flat Rate	\$95.75	\$1.70	100	No	No	Secondary	х		х	x	0.01	0.04	
Napa Senitation District	82,700	Flat Rate	\$37.34		64	Yes	Yes	Tertiary w/ Nutrient Removal	06.		1		7	15.4	
Nevada County Sanitation Dist #1	200	Flat Rate	\$139.58	\$4,265.00	100	No	aeY	Tertiary w/ Nutrient Removal	х		x	x	0,006	0.012	
Nevada County Sanitation Dist#1 (North: San Juan WWTP)	269	Flet Rate	\$65.42	\$3,020.00	100	No	Yes	Primary	ж		x	X	0,012	0.024	
Nevada County Sanitation Dist. #1	200	Flat Rate	\$203.75	\$3,389.00	100	No	Yes	Terliary w/ Nutrient Removal	X		X	X	0.0121	0.026	
Nevada County Sanitation Diet. #1 (Lake of Pines WWTP)	3,917	Flat Rate	\$98.75	\$220,00	100	No	Yes	Tertiary w/ Nutrient Removal			. 6	X	0,39	0.72	
Vevada County Sanifation Dist. #1 (Lake Wildwood WWTP)	4,991	Flat Rate	\$82.92	\$1,140,00	100	No	Yes	Tertiary w/ Nutrient Removel	X		X	X	0.37	1.16	
Newman, City of	10,306	Flat Rate	\$37.32	\$15,740,00	69.99	Yes	Yes	Primary	х		X	X	1.15	1.56	
Mand Sanllary District	1,050	Flat Rate	\$31.45	\$535.00	98	No	Yes	Primary w/ Disinfection	х		X	х	0.067	0.5	
Ilpomo Community Services District	9,000	Flat Rate	\$44.16	\$3,600,00	100	No	Yes	Primary w/ Disinfection	х		x	4.8	0.64	0,9	
forth Marin Water District	400	Flat Rate	\$58.00	\$10,264.00	78	No	No	Secondary w/ Disinfection	к		х	X	0.015	0.122	
forth of River Sanitary District	45,000	Flat Rate	\$18.22	\$500.00	84.9	No	Yes	Secondary	х	Х	х	x	5.7	7.5	
North San Mateo County Senitation District	102,593	Veriable	\$9.64	\$3,039.00	90	No	Yes	Terliary	х		X	×	6.5	8	
forth Tahoe Public Utility District	6,400	Flat Rate	\$114.00	\$2,850.00	16,2	No	No	No Treatment Process	Х				0.765	6	
fortheast Willows CSD	865	Flat Rate	\$46.69	\$6,000.00	97	No	No	No Treatment Process	Х				0.09	0.09	
Novato Sanitary District Dakdale, City of	52,750 20,947	Flet Rate	\$41.25	\$825.00	7B.55	Yes		Secondary w/ Nutrient Removal	X		X	×	4	7.05	
Occidental County Santiation District	924	Variable Flat Rate	8440.47	\$2,270.00	99.6 100	Yes	Yes	Tertiary w/ Nutrient Removal	X		X	X	1.6	2.4	
Oceanside Water Utilities Department, City of	169,319	Variable	\$140.17 \$56.76	\$1,700.00 \$6,703.00	97.8	Yes	Yes	Secondary w/ Disinfection			1.0	100	0.022	0.05	
Diai Valley Santary District	25,000	Flat Rala	\$3.99	\$2,500.00	87	Yeş Yeş	Yes	Terriary	×	х	х	X	11.8	19	
Ontario, Cily of	166,134	Flat Rale	\$24.99	\$9,146.00	100	Yes	Yes No	Tertiary w/ Nulrient Removal No Trealment Process	X		×		1.61 18.75	3	
Prange County Sanitation District		Flat Rate	\$24.50	\$7,860.00	67	Yes	Yes	Secondary w/ Disinfection	X				207	372	
Dro Lome Senilary District		Flat Rate	\$15.75	\$730.00	73.5	Yes	No	Secondary w/ Disinfection	^	X	X	X	12.2	20	,
May Water District	15,200	Variable	\$1.92	\$1,000.00	63	Yes	No	No Treatment Process	х		X		1.2	1.3	,
Pacifica, City of	37,691	Variable	\$47.27	\$1,000.00	99	Na	No	Tertiary w/ Nutrient Removal	X		x	х	12	4	
adre Dem Municipal Water District	67,398	Variable	\$51.89	\$6,711.00	99	Yes	Yes	Tertiary w/ Nutrient Removal	X		Ŷ		4.1	*	,
ajaro County Sanitation District	6,789	Ftat Rate	\$33.33	\$8,950.00	77	Yes	Yes	No Treatment Process	n.		^		4.1	1.57	
alm Springs, City of	44,552	Flat Rate	\$12.00	40,000.00	94.4	No	No	Secondary	x		x	×	6	10.9	,
alos Verdes Estates, City of	14,500	Variable	\$20,58		J-1T	No	No	No Treatment Process			•	^		10.3	
asadena, City of	137.000	Variable	QLU.00	\$1,840,00		No	Yes	Na Treatment Process	X				14.8		,
atterson, City of	21,168	Flat Rate	\$33.21	\$3.520.00	100	Yes	Yes	Secondary	2		296		1.4	2 25	
enngrove Sanitation Zone	1,297	Flat Rate	\$102.58	\$3,414.00	100	Yes	Yes	No Treatment Process	х		100		0.076	0.29	,
etaluma, City of	62,000	Variable	\$10L.00	\$1,200.00	100	Yes	Yes	Tertiary w/ Nutrient Removal	x		х		4.7	6.7	
inedale Public Utility District	10,000	Flat Rate	\$25.81	\$4,650.00	54	Yes	No	No Treatment Process	X				0.25	0.75	
ismo Beach, City of	8,000	Flat Rate	,	\$15,840.00	96	No		Secondary w/ Nutrient Removal	200	41	4	00	1.1	1.9	
ittsburg, City of		Flat Rete	\$15.79		96	No	Yes	No Treatment Process	х				12.9	16.5	
idey Public Utility District	3,310	Veriable	\$36.55	\$0.00	50	No	Yes	Secondary			x		0.238	5	
lacer County, Facility Services, SMD 1	15,000	Flat Rata	\$6.83	\$2,098.00	94	No	No	Tertlery	x		х		1.7	2.18	
laneda CSD	4,600	Flat Rala	\$85.00	\$1,200.00	98	No	Yes	Primary w/ Disinfection	X		х		0.05	0.053	
lymouth, City of	1,008	Flat Rate	\$75,59	\$3,000.00	100	No	Yes	Primary w/ Distriection			W.		0.185		
opler Community Service District	2,568	Flat Rate	\$25,00	\$2,600.00	100	No	Yes	Primary	x	x	x	x	0.2	0.31	
ort Coale Sanitery Department	190	Flat Rate	\$144.92	\$2,634.40	100	No	Yes	Tertiery	х		x		0.01	0.033	
orterville, City of	55,107	Variable	\$26.87	\$5,642.50	91	Yes	No	Secondary	х		x	х	4.7	8	
oway, City of	43,655	Variable	\$30.85	\$0.00	78	Yes	No	No Treatment Process					3.006	5.894	١
ulnoy Community Services Dist.	1,728	Variable	\$43.80	\$2,350.00	95	Yes	Yes	Secondary w/ Disinfection	x	х	х	x	0.5	1,63	- 1
ainbow Municipal Water District	6,800	Variable	\$44.56	\$4,480.00	92	Yes	No	No Treatment Process	х				0.764	1.5	-
ancho California Weter District		Flat Rate	\$37.50	\$5,105.05	72		Yes	Terlary w/ Nutrient Removal	x		х	х	2.8	4.5	١
aricho Colina MHC	250			\$10,000.00	100	No	No	Secondary w/ Disinfection	10			х	0.015	0.02	i
		Flat Rate	\$46.48	\$5,000.00			Yes	Terdary w/ Nutrient Removal			x	X	5.58	10.1	i
edlands WWTP, City of	25,500	Flat Rate	\$47.00	\$5,000.00	96		Yes	Secondary	x		x	x	2	5	Ý
sedley, City of	1,000	Flat Rala	\$32.50	\$3,732.00			Yas	Tertlary	x		x	x	0.17	0.77	ì
sedley, City of seort Improvement District No.1		Flat Rate	\$20,50	\$9,682.00	45	No	Na	No Treatment Process	x				N/A	1.206	1
sedley, City of sect Improvement District No. 1 chardson Bay Sanitary District		District.	\$10,00	\$2,950.08		No	No	Primary		4		x	2.5	3.6	i
sedley, City of asort Improvement District No. 1 chardson Bey Senttary District digecreat, City of	27,616	Flat Rate	\$34.20	\$2,330,00	73	No	No		х		x	X	0,13	0.644	i
sedley, City of sect Improvement District No. 1 chardson Buy Santiary District dgerreat, City of O Allo Water District	27,616 2,400	Flat Rate	@34.ZU				No	Primery			x	х	1.62		
eedley, City of ascot Improvement District No. 1 chardsom Bay Sanitary District digecreat, City of Allo Water District verbank, City of	27,616 2,400		\$21.15	\$2,000.00	100									7.6	- 1
sedley, City of sect Improvement District No. 1 chardcans Bay Sentlary District digecreat, City of o Allo Water District verbank, City of verbank, City of verdale Public Utility District	27,616 2,400 22,000 3,000	Flat Rate			100 50	No	No		x		X.	X	0.22	0.25	
sealley, City of seart light in the search light light in the search light light in the search light ligh	27,616 2,400 22,000 3,000	Flat Rate Flat Rate	\$21.15	\$2,000.00			No Yes				X	X			ł
eedley, City of ascot Improvement District No. 1 chardson: Bay Santhary District digecreat, City of A Nib Water District verbank, City of verdale Public Utility District verdale, City of verdale, City of verside, City of verside County Service Area # 51	27,616 2,400 22,000 3,000 300,000	Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00	\$2,000.00 \$3,950.00	50	Yes		Primary Tertiary w/ Nutrient Removal	х				0.22	0.25	ł
sealley, City of searl most Dilatrict No. 1 chardnen Bay Santhary District digecreat, City of O Alb Water District verbank, City of verbank, City of verbank, City of verdade, Publis Utility District verdade, City of verdade County Service Area # 51 verdoe Santhary District	27,616 2,400 22,000 3,000 300,000 400	Flat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.55	\$2,000.00 \$3,950.00	50 91	Yes No	Yes	Primary Tertiary w/ Nutrient Removal Primary	X 4 X		×	10	0.22 29.3	0.25 40	Y
sedley, City of sent improvement District No. 1 chardson Bay Sanitary District digecreat, City of Alb Wafer District verbank, City of verdale Publis Utility District verdale Publis Utility District verside, City of verside County Service Area # 51 dobo Sanitary District thrort Park, City of	27,616 2,400 22,000 3,000 300,000 400 6,000	Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.55 \$28.00	\$2,000.00 \$3,950.00 \$9,391.00	50 91 60	Yes No Yes	Yes No	Primary Tertiary w/ Nutrient Removal Primary Secondary w/ Disinfection	X 4 X		*		0.22 29.3 0.022	0.25 40 0.044	Y
sedley, City of sent Improvement District No. 1 chardson Bay Santhary District digecreat, City of A No Water District verbank, City of verbank, City of verdale Public Utility District verside, City of verside, City of verside County Service Area # 51 oboo Santhary District verside, City of verside, City of verside, City of serville, City of serville, City of	27,616 2,400 22,000 3,000 300,000 400 8,000 49,794	Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rata	\$21.15 \$39.00 \$28.55 \$28.00	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00	50 91 60 92 83.7	Yes No Yes No	Yes No Yes	Primary Tertiary W Nutrient Removal Primary Secondary w Disinfection No Treatment Process	X X X	ì	×	10	0.22 29.3 0.022 0.55	0.25 40 0.044 1.14	ł Y
sedley, City of sent improvement District No. 1 chardson Bay Sanitary District digecreat, City of Alb Wafer District verbank, City of verdale Publis Utility District verdale Publis Utility District verside, City of verside County Service Area # 51 dobo Sanitary District thrort Park, City of	27,616 2,400 22,000 3,000 300,000 400 8,000 49,794	Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.55 \$28.00 \$57.95	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49	50 91 60 92 83.7	Yes No Yes No Yes	Yes No Yes Yes	Primary Tertiary w/ Nutriant Removal Primary Secondary w/ Disinfection No Treatment Process Tertiary	X X X	ì	X X	10	0.22 29.3 0.022 0.55 3.3	0.25 40 0.044 1.14 2.5	ł Y N
sedley, City of sent Improvement District No. 1 chardson Bay Santhary District digecreat, City of A No Water District verbank, City of verbank, City of verdale Public Utility District verside, City of verside, City of verside County Service Area # 51 oboo Santhary District verside, City of verside, City of verside, City of serville, City of serville, City of	27,616 2,400 22,000 3,000 300,000 400 6,000 49,794 200,000 24,204	Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.55 \$28.00 \$57.95	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49 \$8,164.00	50 91 60 92 83.7 76	Yes No Yes No Yes No	Yes No Yes Yes No	Primary Tertiary w/ Nutriant Removal Primary Secondary w/ Otslinfection No Treatment Process Tertiary No Troutment Process	X X X X X		X X	10	0.22 29.3 0.022 0.55 3.3 16	0.25 40 0.044 1.14 2.5 30	4 7 1 1
sealley, City of seart Flatfick No. 1 chardsom Bay Santhary District digecreat, City of Allo Wafer District verbank, City of verdade, Public Utility District verdade, City of verside, City of verside, City of verside, City of verside, City of verside Country Service Area # 51 oboo Santhary District verside, City of seawille, City of seawille, City of seawille, City of seswide, City of seswide, City of seswide, City of seswide, City of sesword Lea Allerikos Area Sewer Elstrict	27,616 2,400 22,000 3,000 300,000 400 8,000 49,794 200,000 24,204 26,100	Flat Rate Flat Rate Flat Rate Flat Rate Fiat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.56 \$28.00 \$57.95 \$31,90	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49 \$8,164.00 \$7,408.20	50 91 60 92 83.7 76	Yes No Yes No Yes No Yes	Yes No Yes Yes No No No Yes	Primary Tertiary w/ Nutrient Removal Primary Secondary w/ Dishfection No Treatment Process Tertiary No Treatment Process No Treatment Process	x x x x x x	×	x x	x	0.22 29.3 0.022 0.55 3.3 16	0.25 40 0.044 1.14 2.5 30	4 1 1 1
sealey, City of sent improvement District No. 1 chardson Bay Sanitary District digerest, City of Allo Water District verbank, City of verdale Public Utility District verdale, City of verside, City of verside, City of verside County Service Area # 51 does Sanitary District have I verside, City of seewile, City of seewile, City of sessimon/Los Aleratios Area Sewer District bibdioux Community Services District	27,616 2,400 22,000 3,000 300,000 400 8,000 49,794 200,000 24,204 26,100 4,862	Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.56 \$28.00 \$57.95 \$31,90	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49 \$8,164.00 \$7,408.20 \$2,580.00	50 91 60 92 83.7 76	Yes No Yes No Yes No Yes No	Yes No Yes Yes No No No Yes	Primary Tertiary w/ Nutrient Removal Primary Secondary w/ Dishriection No Treatment Process Tertiary No Treatment Process No Treatment Process Secondary w/ Nutrient Removal	x x x x x x x	x	x x	x x	0.22 29.3 0.022 0.55 3.3 16 2 0.44	0.25 40 0.044 1.14 2.5 30 3.055	4 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
sealley, City of seart planted No. 1 chardsom Bay Santhary District digecreat, City of O Alb Water District digecreat, City of O Alb Water District verbank, City of verbank, City of verdade Public Utility District verside, City of verside County Service Area # 51 voto Santhary District hybert Park, City of seawile, City of	27,616 2,400 22,000 3,000 300,000 400 8,000 49,794 200,000 24,204 26,100 4,862 6,479	Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate Flat Rate	\$21.15 \$39.00 \$28.56 \$28.00 \$57.95 \$31,90 \$19.50	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49 \$8,164.00 \$7,408.20 \$2,580.00	50 91 60 92 83.7 76	Yes No Yes No Yes No Yes No Yes	Yes No Yes Yes No No Yes No S	Tertiary wi Nutriant Removal Primary Secondary wf Dishiection No Treatment Process Tertiary No Treatment Process No Treatment Process econdary wf Nutriant Removal Tertiary	X X X X X X	×	x x x	x x x	0.22 29.3 0.022 0.55 3.3 16 2 0.44 0.3	0.25 40 0.044 1.14 2.5 30	14 YY 10 10 10 10 10 10 10 10 10 10 10 10 10
sedley, City of sent improvement Dilaritot No. 1 chardsom Bay Santhary District digecreat, City of Allo Water District verdale, Public Utility District verdale, Public Utility District verside, City of verside, City of verside, City of verside, City of verside County Service Area # 51 odoc Santhary District thrent Park, City of seewile, City of seswile, City of sessionary Los Alemitos Area Sewer Elstrict tiblidoux Community Services District inning Springe Water District issalan River County Sentation District	27,616 2,400 22,000 3,000 300,000 400 8,000 49,794 26,100 4,862 6,479 36,500	Flat Rate	\$21.15 \$39.00 \$28.56 \$28.00 \$57.95 \$31.90 \$19.50 \$100.92	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49 \$8,164.00 \$7,408.20 \$2,580.00 \$8,057.00	50 91 60 92 83.7 76 95	Yes No Yes No Yes No Yes No Yes	Yes No Yes Yes No No Yes No S Yes Yes	Primary Tertlary W Nutrient Removal Primary Secondary W Distriction No Treatment Process Tertlary No Treatment Process No Treatment Process tecondary w Nutrient Removal Tertiary Secondary w Distriction	X X X X X X	x x	x x	x x	0.22 29.3 0.022 0.55 3.3 16 2 0.44 0.3 2.6	0.25 40 0.044 1.14 2.5 30 3.055 1 0.71	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
sealley, City of search Inches No. 1 search Improvement Dilatick No. 1 schardson Bay Santhary District digestreat, City of O Allo Wafer District vertable, City of vertable Public Utility District vertable, City of verside County Servise Area # 51 codes Santhary District verside, City of verside County Servise Area # 51 codes Santhary District chord Park, City of seawille, City of search Search Community Services District remains of the City of Service Services of Service Services Search Se	27,616 2,400 22,000 3,000 400 8,000 49,794 200,000 24,204 26,100 4,862 8,479 36,500 76,447	Flat Rate	\$21.15 \$39.00 \$28.55 \$28.00 \$57.95 \$31.90 \$19.50 \$100.92 \$14.86	\$2,000.00 \$3,950.00 \$9,391.00 \$9,578.00 \$26.49 \$8,164.00 \$7,408.20 \$2,580.00 \$8,067.00 \$6,638.00	50 91 60 92 83.7 76 95	Yes No Yes No Yes No Yes No Yes No Yes	Yes No Yes Yes No No Yes No S Yes	Primary Tertiary w/ Nutrient Removal Primary Secondary w/ Distriction No Treatment Process Terfery No Treatment Process No Treatment Process No Treatment Process lecondary w/ Nutrient Removal Tertiary Secondary w/ Distriction Primary	X X X X X X	x x	x x x	x x x	0.22 29.3 0.022 0.55 3.3 16 2 0.44 0.3	0.25 40 0.044 1.14 2.5 30 3.055 1 0.71	14 YY 10 10 10 10 10 10 10 10 10 10 10 10 10

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Agendes (alpha sort)	Population	Weiter Use	Monthly User Fee	Connection Fee (per connection)	Source of Revenue: Sewer service i charge (%)	BOD/SS	Debt Incl.	Trestment Level	Collection	Interceptor	Transferent	$\overline{}$	Current ADWF (mgd)	Current Design Flow (mgd)	1
Salida Senitery District San Bernardina Municipal Water Department, City of	13,722 290,000	Flet Rate	\$36.73 \$18.50	\$6,156.00 \$2,425.00	98 94	No Yes	Yes Yes	Secondary Tertiary w/ Nutrient Removal	x	_	х	х	1.2 28.24	2.4	_
San Bruno, City of	41,114	Variable	9 IO.30	\$10,586.92	<1	No	Yes	No Treatment Process	o	X	X	х	20.24	00	
Sen Carlos, City of	28,000	Flat Rate	\$53.08	\$2,425.00	99	Yes	No	No Treatment Process	×				2.64	4.48	
en Diego, Public Utilities Department, City of	2,126,154			\$715.00	93,61	Yes	Yes	Tertiary	х	X	X		160	285	
Sen Fernando, City of Sen Francisco Public Utilities Commission	23,645 800.000	Flat Rate Variable	\$28.32		97	Yes Yes	No Yes	No Treatment Process Tertiary	×		-	x	2.036 84	2.036 577	
San Joaquin, City of	4,060	Flat Rate	\$37,68	\$1,500,00	100	No	Yes	Secondary	x		×	×	0.46	0.5	
an Jose/Santa Clara Water Pollution Control Plant	1,400,000		\$33,83	\$3,082.51	76	Yes	Yes	Tertiary w/ Nutrient Removal	^		×	×	111.4	167	
San Luis Obispo, City of	47,000	Variable		\$4,992.00	91	No	Yes	Tertiary	×	X	x	ĸ	4.5	5.1	
San Luis Obispo Co Special Districts: County Service Area 1	429 710	Flat Rate	\$55,66 \$50,16	\$2,153.00	42	No	No	No Treatment Process No Treatment Process	. *				-1.		
San Luis Obispo Co Special Districts: County Service Area 1A San Luis Obispo Co Special District: County Service Area 1F	3,465	Flat Rate Flat Rate	\$99.55	\$1,750.00	82 99.8	No No	No Yes	Secondary w/ Disinfection	X		х	х	n/a 0.07	0.12	
San Luis Obispo Co Special Districts: County Service Area 7A	1,850	Flat Rate	\$18.84	\$500.00	37	No	Yes	Primary	x	х	x	x	0.04	0.1	
San Miguel Community Service District	2,300	Flat Rale	\$37.09		100	No	No	No Treatment Process	.19		×	190	0.12	0.2	
San Rafael Sanitation District	38,000	Flet Rale	\$53.13		91.9	No	No	No Treatment Process	x				3,2	4	
San Simeon Community Services District	462	Flat Rate	e20.00		100	No	No	Tertlary	х	X	x	X	0.09	0.2	
Sanger, City of Sanitary District No. 5 of Marin County	24,638 8,400	Flat Rate Flat Rate	\$39.86 \$68.75	\$6,176.97	82	Yes Yes	Yes Yes	Secondary Secondary w/ Districction	X	×	x	X	1,8 0.58	3 0,98	
Sania Ana- PWA Water Resources	327,731	Variable	400.10	\$4,905.72	100	No	No	No Treatment Process	X		х		28	55	
Santa Barbara, City of	90,000	Variable	\$39.21	\$32.50	95	No	Yes	Terlary	Ŷ	x	х	х	B	11	
Santa Clara, City of	118,830	Flat Rate	\$29.20	\$447.00	96	No	No	No Treatment Process	x	x	-	-	14	.,	
Sante Clarita Valley Sanitation District of Los Angeles County	245,968	Flat Rate	\$19.25	\$5,448.00	68	Yes	Yes	Tertiary		6	×		19,73	28.1	
Santa Cruz Santlation District	60,000	Flat Rate	\$56.37	\$2,030.91	99	Yes	Yes	No Treatment Process	x				5	38	
Sania Maria, City of	100,000	Flat Rate	\$14.86		86	Yes	Yes	Secondary	х	x	ж	ж	8.4	13.5	
Sente Monice, City of	89,736	Veriable	\$4.52	\$0.00	91	Yes	Yes	No Treatment Process	×				11.36	351.72	
Santa Nella County Water District Santa Rosa, City of	1,308 169,000	Variable Variable	\$27.25 \$19.63		93 25	Yes Yes	No Yes	Secondary Tertiary w/ Nutrient Removal	X		X	X	0.19	0.4 21.3	
Santa Yasz, City of Santa Yasz, Community Services District	4,250	Flat Rate	\$57.11	\$7,200.00	25 75	No	Yes	No Treatment Process	x		х	х	15 0.145	0.212	
Sewer Agency of Souther Marin	29,000	Variable	407.11	\$1,000.00	,,,	No	Yes	Secondary w/ Disinfection	x	×	x	×	2.5	27.4	
Sausallio-Marin City Sentary District	10,000	Flat Rate	\$53.92	\$4,844.73	81	Yes	Yes	Tertlary		x	X	X	1.8	6	
Sea Ranch Sanitetion Zone	1,109	Flat Rate	\$79.08		100	Yes	Yes	Secondary	х		x		0.028	0.16	
Sesside County Sanitation District	7,500			\$6,347.69		Yes	No	No Treatment Process	x						
Sebastopol, City of	7,405	Veriable		\$5,262.00	100	No	No	No Treatment Process	х				0,474	0.84	
Sewer Maintenance District 2 - Granite Bay	14,000	Flat Rate	\$48.12	ec 150 00	94	No	No	No Treatment Process	90				1.6		
Sewer Maintenance District 3 - Horseshoe Bar Sewerage Commission-Oroville Region	1,400 44,000	Flat Rate Flat Rate	\$9.31 \$8.60	\$5,450.00	87 99	No No	No No	Tertiary w/ Nutrient Removal	X		X	-	0.12	0,3	
Shasta Lake, City of	3,283	Flat Rate	\$52.01	\$500.00	99.3	Yes	No	Terfary Terfary w/ Nuirient Removal	х		X	x	3 0.7	6.5 1.3	
Sierza Lakes County Water District	0,200	Flet Rate	\$120.67	4000.00	60	No	Yes	No Treatment Process	0				0.043	0.2288	
Simi Valley, City of	126,259	Flat Rate	\$26.08	\$21,584.00	33.3	Yes	No	Tertiary w/ Nutrient Removal	х	х	x	x	9.8	12.5	
Snelling Community Services District	350	Flat Rate	\$25.00	,	98	No	No	Primary w/ Disinfection	х		x	x			
Sofana Beach, City of	13,060	Flat Rate	\$47.75	\$3,341.00	100	No	Yes	No Treatment Process	X				1,3	1,6	
Sonoma Valley County Sanitation District	41,855	Flat Rate	\$64.33	\$4,150.00	100	Yes	Yes	Tertiary			18	×	2,38	3	
South Bay Cities Sanitation District of Los Angeles County	116,370	Flat Rate	\$10.08	0445.00	57	Yes	Yes	Tertlary		x	×	×			
icuth Coast Water District Icuth Park County Sanitation District	40,000 14,508	Variable Flat Rala	\$67,50	\$115.00	30.7 100	No	Yes	No Treatment Process	х	X			4	5.75	
outh San Francisco/San Bruno, City of	105,870	Flat Rata	\$44.33	\$115.00 \$8,745.00	96	Yes Yes	Yes Yes	No Treatment Process Secondary w/ Disinfection				10.0	8.48	13	
pelding Community Services District	1,200	Flet Rate	\$25,00	\$460.28	99	No	No	No Treatment Process	×	777	00	×	0.009		
iquaw Valley Public Service District	1,386	Flat Rate	\$30,83	\$115.07	38.68	No	No	No Treatment Process	x				0.218	2.97	
tillwell, City of	734	Variable	\$51,58	\$2,000.00	96.5	Yes	Yes	No Treatment Process	x		х	x	0.054	0.162	
tones-Bengard Community Service District	200	Flat Rate	\$15.58	\$1,798.00	90	No	No	Secondary w/ Nutrient Removal	X	X	×	x	0.009	0.012	
iumnyslope County Water District	4,211	Variable	\$99.09	\$1,800,00	100	Yes	Yes	Secondary	х		x	x	0.18	0.35	
utter Creek, City of aft, City of	4,500 15,000	Flat Rate Flat Rate	\$80,57 \$20.58	\$2,119.00 \$500.00	99 75	No No	Yes No	Secondary w/ Disinfection Secondary	X	K	X	x	0.286 0.963	0.48 1.5	
shoe-Truckee Senitation Agency	50,000	Flat Rate	\$12.75	\$1,200.00	68	Yes	Yes	Tertiary w/ Nutrient Removal	^			^	4.88	9.6	
amalpais Community Services District	7,000	Flat Rate	\$84.42	\$1,000.00	95	No	Yes	No Treatment Process	х				0.3	3.7	
empleton Community Services Dist	6,838	Flat Rate	\$23.34	\$4,307.00	98	No	Yes	Secondary	x		х	x	0.15	0.6	
ennant Community Service Dist.	54	Flat Rate	\$7.39	\$5,000.00	100	No	No	No Treatment Process	х				0.0047	0.077	
hermalito Water and Sewer District	6,646	Variable	\$27.35	\$4,480.00	98	No	Yes	No Treatment Process	Х				0.65	4.5	
housand Oeks, City of	100,000	Flat Rate	\$25.45	\$4,500.00	98	Yes	Yes	Terliary #/ Nutrient Removal	х	X	X	X	9	14	
ipton Community Service District omales Village Community Services District	2,543 210	Flat Rate Flat Rate	\$21.50 \$63.00	\$4,400.00 \$8,218.00	96 95	No Yes	No Yes	Secondary Secondary w/ Disinfection	x		X	X	0.1B 0.018	0.48	
orrance, City of	145,000	Variable	\$03.00	\$10,550.00	80	No	Yes	No Treatment Process	X	х	X	х	14.5	27.6	
own of Apple Valley	22,200	Flat Rate	\$28.19	\$3,690.00	99	No	No	No Treatment Process	2				1.7	n/a	
own of Discovery Bay CSD	13,500	Flat Rate	\$55.77	\$4,320.00	99	No		Secondary w/ Nutrient Removal	x		x	х	1.7	2.1	
own of Los Altos Hills	5,160	Flet Rate	\$61.08	\$4,190.00	94	No	No	No Treatment Process	x						
ulare Co. Resource Mgmt. Agency	1,019	Flat Rate	\$42.00	\$9,277.00	99	No	Yes	Primary	x		x		0,12	0,3	
ulere Co. Resource Mgmt. Agency	637	Flat Rate	\$35.75	\$0.00	99	No	Үөв	Primary	×				0.0542	0.088	
ulere Co. Resource Mgmt. Agency	252	Flat Rate	\$59,25	\$4,500.00	99	No	Yes	Primary	Х		x		0.0212	0.035	
ulere Co. Resource Mgmt. Agency	367	Flat Rate		\$13,409.00	99	No	Yes	Primary	х		К			0.0572	
uletake, City of uotumne City Sanitary District (TCSD)	1,000 1,900	Variable Flat Rate	\$38.40 \$52.75	\$4,055.00	95 94	Yes No	No Yes	Secondary w/ Disinfection Secondary	X		X	X	0.18 0.152	0.26 1.68	
urlock, City of	69,370	Flat Rate	\$46.33	\$3,050.00	73.96	Yes	Yes	Tertiary w/ Nutrient Removal	x	х	х	×	10.7	20	
waln Harte Community Services District	2,500	Flat Rate	\$10.00	\$3,430,00	99.1	No	Yas	No Treatment Process	x	^	^	^	10.7	2.0	
nion Sanitary District	331,287	Flat Rate	\$26.63	V -,	B3	No	Yes	Secondary w/ Disinfection	X	х	х	х	25	33	
alleoflos Water District	87,156	Flat Rate	\$35.91		86.5	No	No	Tertiery			Х		7.5	12.5	
silejo Sanitation and Flood Control District	121,000	Flat Rete	\$41.26	\$5,105.05	87	Yes	Yes	Secondary w/ Disinfection			ж	x	9.1	15.5	
alley Center Municipal Water District	3,404	Flat Rate		\$1,000.00	100	Yes	No	Tertiary w/ Nutrient Removal	х		х		0.39	0.57	
alley Sanitary District	77,165	Flat Rate	\$22.50	\$4,500.00	92.7	Yes	Yes	Secondary w/ Disinfection	ж		х	х	6.2	11	
andenbery Village Community Services entura Water	6,497 109,000	Flat Rata Variabla	\$65.75	\$9,146.00 \$3,500.00	54	Yes	Yes	No Treatment Process	х				0,457	0.89	,
ctor Valley Wastewater Reclamation Authority	280,125	Variable	\$28.85	\$1,593.00	85	Yes Yes	Yes Yes	Tertiary w/ Nutrient Removal Tertiary w/ Nutrient Removal	x	X	X	X	8.8 13.5	14 18	,
sta, City of		Flat Rate	\$53.25	\$7,200,00	97,8	Yas	Yes	No Treatment Process		X	*	*	4.49	17.6	,
alley Springs PUD	15,500	I IOL I VOID	· paraza	41,200,00	U, 19	Jun	No	No Treatment Process	^	^			4.40	17.0	
aterford, City of	8,000	Flat Rate	\$28.56	\$2,339.00	98	No	Yes	Primary	800		х		0.525	1	
absonville, City of	66,000	Flat Rate	\$23.06	\$3,500.00	99.5	Yes	Yes	Tertiery	х		х	x	7.2	12.1	
eaverville Sanitary District		Flat Rate	\$22.00	\$10,352.00	98	No	Yes	Secondary W/ Disinfection	х		х	х	0.3	0.5	
eed, City of	2,983	Variable			90	Yes	Yes	Secondary		х	ж	ж	0.037	0.673	
ectt community Services district	200	Variable	\$47.00	\$4,538.41	10	No	Yes	No Treatment Process	X		×	X	0.01	0.02	
ast Bay Sanitary District	55,000	Flat Rala	\$62.67		99	Yes	No.	No Treatment Process		×			3.5	7	,
est County Wastewater District est Patton Village CSD		Flat Rate	\$25,33 \$30.00		89 75	Yes		Secondary w/ Nutrient Removal	X		X	×	7.7	12.5	3
est Patton Village CSD extern Municipal Water District		Flat Rate	\$30.00 \$35.29	\$6,444.00	75 55,6	No No	No No	No Treatment Process Tertiery w/ Nutrient Removal	X	v	,	v	0.014 6.87	0.04 11	
estem Municipal Water Listrict astley Community SV District		Flat Rate	\$35.29 \$40.00	₩ 0,7999.00	100	No No	No No	No Treatment Process	X	×	X	X	6.87	11	
ashivoad Community Services District	1,647	Variable	\$34.22		100	No	Yes	No Treatment Process	х		х	x	0.24	0.3	
healland, City of		Flat Rate	\$46.28	\$4,374.00	65	No	Yes	Secondary		х	x	x	0.32	0.62	
hittler, City of	85,331	Variable	\$8.01	\$12,377.00	100	No	No	No Treatment Process	x						i
illits, City of		Flat Rale	\$60.42	\$500.00	88	No		Secondary w/ Nutrient Removal	x		×	x	0.8	1.18	i
Nows, City of				\$2,300.00			No	No Treatment Process	•						
interheven Water District		Flet Rate	\$36,52		100	No	No	No Treatment Process	x				0.05		
	8,500	Flat Rate	\$49.16	\$237.00	100		Yes	No Treatment Process	X				0.75	1	ı
inton Water & Sanitary District														- 0	
posibridge Sanitary District	3,368	Flat Rate	\$28.74	\$2,103.00	99.5	No	No	Primery	X		x	X	0.25	0.5	
	3,368 56,000	Flat Rate Flat Rate Flat Rate	\$28.74 \$38.30	\$2,103.00 \$500.00 \$0.00			No Yes No	Primary Tertiary Secondary	X X		×	X X	0.25 4.8 0.09	0.5 10.4 0.25	1

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Agendee (elphs sort)	Population	Water Use	Monthly Liser Fee	Connection Fee (per connection)	Source of Revenue: Sewer service charge (%)	BOD/SS Loading	Debt Incl.	Transferrançi Layul	Collection	Indecrati	Provident	Disposal	Current ADWF (regd)	Current Design Flow (mgd)	CIP
Yreka, City of Yuba City, City of Yucaipa Valley Water District	7,750 65,569 43,670	Flet Rate Flet Rate Flet Rate	\$42.00 \$33.60 \$40.43	\$500.00 \$500.00	100 78.5 95	No Yes Yes	Yes Yes Yes	Tertiary Secondary w/ Disinfection No Treatment Process	X X	×	X X	X X	0.94 6.5 3.6	1.3 10.5 8	No Yes Yes